

ARCHIVAL
PLANS

ADDRESS 101 N. AZUL AVE
PROPOSAL RI
PLAN CHECK NO. 74410-98 7-2-98
BUILDING PERMIT NO. 14881-98 DATE ISSUED 7-28-98

CODE INFORMATION

ZONING

CITY OF COVINA COMMUNITY DEVELOPMENT

PARKING REQUIRED: EXISTING— NO CHANGE
PARKING PROVIDED: EXISTING— NO CHANGE

BUILDING

1994 UBC

OCCUPANCY CLASS: A-2.1 ASSEMBLY
CONSTRUCTION TYPE: TYPE V, ONE-HOUR, SPRINKLERED
ALLOWABLE AREA: 31,500 S.F. (10,500 S.F. + 21,000 S.F.
INCREASE PER 505.3)

BUILDING AREA: 9,600 S.F. — EXISTING
3,900 S.F. — EXPANSION
13,500 S.F. — TOTAL

SEATING CAPACITY: 270 PERSONS — EXISTING
154 PERSONS — NEW
424 PERSONS — TOTAL

OCCUPANT LOAD: 747 PERSONS
REQUIRED EXITS: 2 REQUIRED — 6 PROVIDED

MECHANICAL 1994 UMC & UPC

ELECTRICAL 1993 NEC

HEALTH N/A

FIRE 1994 UFC

ACCESSABILITY TITLE 24 AND ADA

TITLE 24

CERTIFICATE OF COMPLIANCE		Part 1 of 2	ENV-1
PROJECT NAME	CHUCK E. CHEESE #413	DATE	6/16/98
PROJECT ADDRESS	601 AZUSA AVENUE, COVINA	TELEPHONE	(214) 368-3687
PRINCIPAL DESIGNER/ENGINEER	CORTLAND MORGAN ARCHITECT AIA	TELEPHONE	(805) 245-6372
DOCUMENTATION AUTHOR	TELEPHONE	TELEPHONE	(805) 245-6372
GENERAL INFORMATION			
DATE OF PLANS	BUILDING CONDITIONED FLOOR AREA	CLIMATE ZONE	
	4,340 sq. ft.	9	
BUILDING TYPE	☒ NONRESIDENTIAL ☐ HIGH RISE RESIDENTIAL	☐ HOTEL/MOTEL GUEST ROOM	
PHASE OF CONSTRUCTION	☐ NEW CONSTRUCTION ☒ ADDITION ☐ ALTERATION	☐ EXISTING + ADDITION	
METHOD OF COMPLIANCE	☐ COMPLIANT ☒ OVERALL ENVELOPE	☐ PERFORMANCE	
STATEMENT OF COMPLIANCE			
This Certificate of Compliance states the building features and performance specifications needed to comply with Title 24, Part 1 and 6 of the California Code of Regulations. This certificate applies only to building envelope requirements.			
The documentation preparer hereby certifies that the document is accurate and complete.			
DOCUMENTATION PREPARED BY	SIGNATURE	DATE	6-16-98
DR. J. A. McLean			
This Principal Envelope Designer hereby certifies that the proposed building design represented in this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other submissions submitted with this permit application. The proposed building has been designed to meet the envelope requirements contained in Sections 110, 116 through 118, and 140, 142, 143 or 145 of Title 24, Part 6, Chapter 1.			
Please check one:			
☒ I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am a civil engineer or architect.			
☐ I affirm that I am eligible under the exemption to Division 3 of the Business and Professions Code by Section 5537.2 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am a licensed contractor preparing documents for work that I have contracted to perform.			
☐ I affirm that I am eligible under the exemption to Division 3 of the Business and Professions Code by Section of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am a licensed contractor preparing documents for work that I have contracted to perform.			
PRINCIPAL ENVELOPE DESIGNER NAME			
CORTLAND MORGAN ARCHITECT AIA			
INDICATE LOCATION ON PLANS OF NEW BLOCK FOR MANDATORY MEASURES			
INSTRUCTIONS TO APPLICANT			
For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, please refer to the Nonresidential Manual published by the California Energy Commission.			
ENV-1: Required on plans for all submittals. Part 2 may be incorporated in schedules on plans.			
ENV-2: Used for all submittals; choose appropriate version depending on method of envelope compliance.			
ENV-3: Optional. Use if default U-values are not used. Choose appropriate version for assembly U-value to be calculated.			
Revised 1.8 By: [Signature] User Number: 1348 Job Number: 108181 Page 2 of 40			

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Revised 1.8 By: [Signature] User Number: 1348 Job Number: 108181 Page 2 of 40			



CITY OF COVINA BUILDING DIVISION
APPROVED NUMBERS OR ADDRESSES SHALL BE
PROVIDED FOR ALL BUILDINGS IN SUCH A POSITION AS
TO BE PLAINLY VISIBLE AND LEGIBLE FROM THE STREET
OR ROAD FRONTING THE PROPERTY; MINIMUM 2"
HEIGHT ON ALL LETTERS AND NUMBERS.

CITY OF COVINA
OFFICE COPY

CHUCK E. CHEESE'S

COVINA

UNIT NO. 413

601 AZUSA AVENUE - COVINA, CALIFORNIA 91722

NOTICE
ALL CONTRACTORS MUST USE
CITY'S FRANCHISED REFUSE HAULER.
COVINA DISPOSAL
CUSTOMER SERVICE (619) 336-6100

OWNER

SHOWBIZ PIZZA TIME, INC.
4441 WEST AIRPORT FREEWAY
P.O. BOX 152077
IRVING, TEXAS 75062
(972) 258-8507

ARCHITECT

CORTLAND MORGAN, A.I.A.
6910 WOODLAND DRIVE
DALLAS, TEXAS 75225
(214) 368-3687

PROJECT ADMINISTRATOR

BURSON & WILLIAMS
3838 OAKLAWN, STE. #1505
DALLAS, TEXAS 75219
(214) 520-2221

M.E.P. CONSULTANT

S. TOUB & ASSOCIATES
13641 OMEGA ROAD
DALLAS, TEXAS 75244
(972) 386-5629

STRUCTURAL ENGINEER

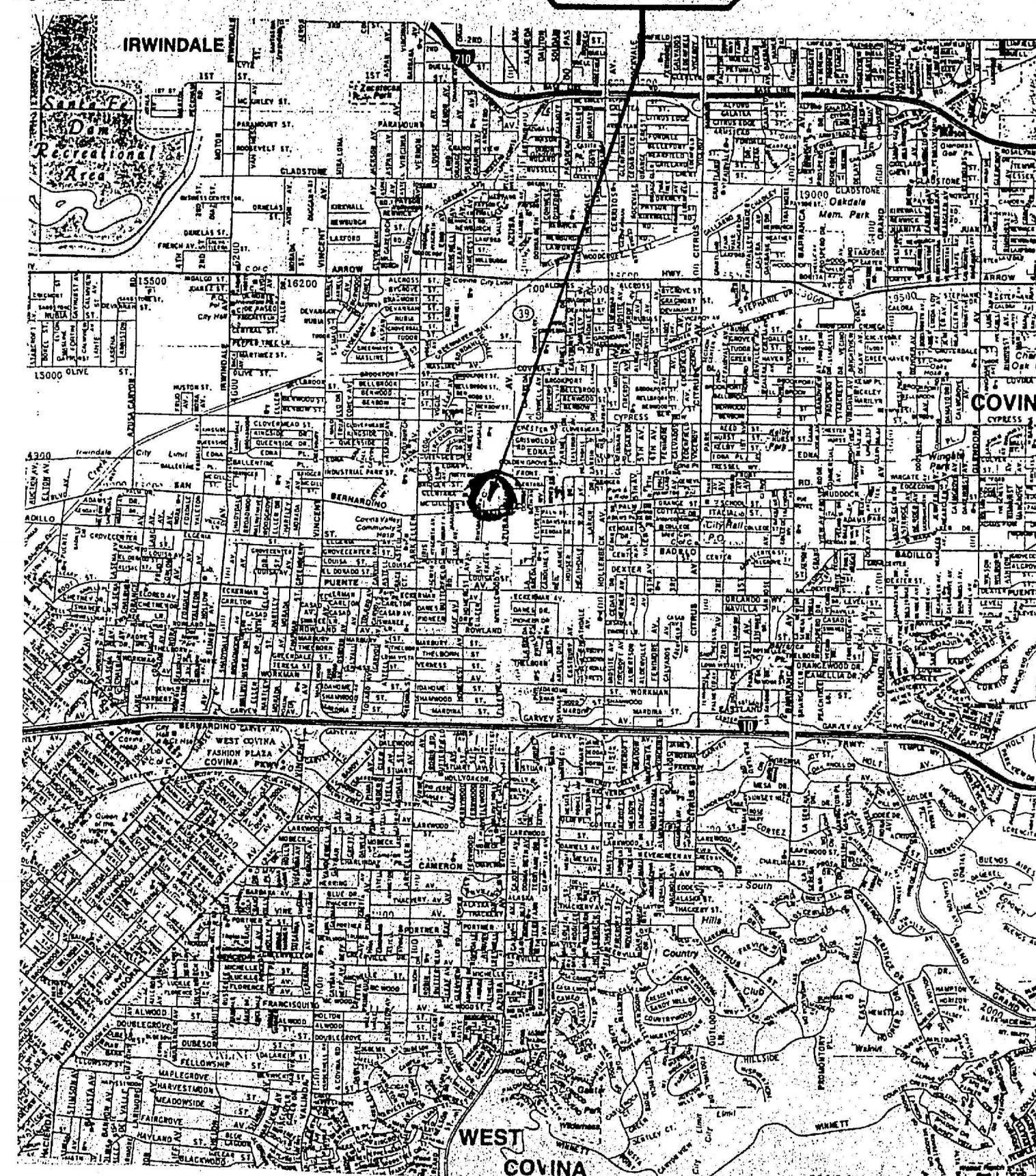
KEN OKAMOTO & ASSOCIATES
14081 YORBA STREET, SUITE 105
TUSTIN, CA 92780
(714) 838-4960

VICINITY MAP

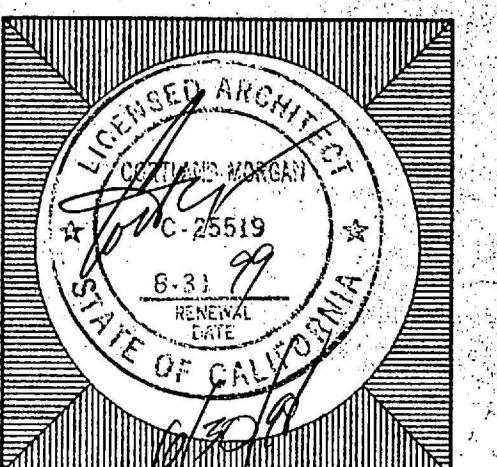
NOT TO SCALE

PROJECT
LOCATION

TRUE NORTH



THESE DOCUMENTS ARE THE SOLE PROPERTY OF
SHOWBIZ PIZZA TIME, INC. ANY COPYING OR
USE OF THESE DOCUMENTS FOR ANY PURPOSE OTHER
THAN CONSTRUCTION OF THIS PROJECT WITHOUT
THE EXPRESS WRITTEN PERMISSION OF THE ARCHITECT
AND SHOWBIZ PIZZA TIME, INC. IS PROHIBITED.



INDEX OF DRAWINGS

COVER SHEET INFORMATION

DATE

06/26/98

SITE PLAN

- A1 DEMO AND FLOOR PLAN
- A2 ENLARGED RESTROOM PLAN
- A3 REFLECTED CEILING PLAN
- A4 EXTERIOR ELEVATION
- A5 INTERIOR ELEVATIONS
- A6 INTERIOR ELEVATIONS
- A7 DETAILS
- A8 SCHEDULES AND DETAILS
- A9 EQUIPMENT AND FURNITURE PLAN
- ST1 STUDIO 'C' PLAN (ALTERNATE)
- ST2 STUDIO 'C' ELEVATIONS (ALTERNATE)
- S1 GENERAL NOTES AND DETAILS
- S2 FRAMING PLAN AND SECTIONS
- S3 DETAILS
- M1 FLOOR PLAN — HVAC
- M2 SCHEDULES AND DETAILS — HVAC

- P1 FLOOR PLAN — PLUMBING
- P2 PLUMBING DETAILS AND SCHEDULES
- P3 PLUMBING RISERS
- E1 FLOOR PLAN — LIGHTING
- E2 FLOOR PLAN — POWER
- E3 ALTERNATE SHOW — ELECTRICAL
- T24 TITLE 24

CITY OF COVINA-BLDG. DEPT.
Plans Approved Under the Code of the City of Covina
By: [Signature] DATE: 7-30-98
THIS SET OF PLANS & SPECIFICATIONS MUST BE KEPT ON THE
JOB AT ALL TIMES & IT IS UNLAWFUL TO MAKE CHANGES OR
ALTERATIONS ON SAME WITHOUT WRITTEN PERMISSION FROM THE
BLDG. DEPT. OF THE CITY OF COVINA. THE STAMPING OF THIS
PLAN AND SPECIFICATIONS SHALL NOT BE HELD TO PERMIT
OR TO BE AN APPROVAL OF THE VIOLATION OF ANY PROVISIONS OF
ANY CITY ORDINANCE OR STATE LAW.

NO SUBSTITUTION OF PRODUCTS, MATERIALS OR EQUIPMENT SPECIFIED HEREIN
WILL BE ALLOWED UNLESS SUBMITTED WITH SUBSTANTIATING DATA PRIOR
TO INSTALLATION, AND APPROVED IN WRITING BY SHOWBIZ PIZZA TIME, INC.

601 N. AZUSA
CHUCK E. CHEESE'S
9/14/97-98

97-035

#413

COVINA



CITY OF COVINA

125 East College Street • Covina, California 91723-2199

Planning Division
(626) 858-7231

June 23, 1998

RECEIVED

JUN 24 1998

CHUCK E. CHEESE'S

Ms. Alice Winters
Show Biz Pizza Time, Inc.
4441 West Airport Freeway
Irving, TX 75015

RE: CUP 98-017
A conditional use permit to allow a 3,900 square foot expansion to an existing restaurant with beer and wine service and game machines
601 North Azusa Avenue, Covina

Dear Ms. Winters:

The City of Covina Planning Commission decision approving Conditional Use Permit CUP 98-017 requires the appropriate person in your organization as the applicant to execute the attached affidavit, have it notarized and return it to us along with a check in the amount of \$18.00, payable to the "Los Angeles County Registrar-Recorder".

We look forward to hearing from you. If you have any questions, please feel free to call us at (626) 858-7231.

Sincerely,

Hal B. Ledford
Hal B. Ledford
City Planner

HBL:jr

Attachment

cc: Michael Marquez, Community Development Director

413. 8350001

RECORDING REQUESTED BY

The City of Covina
125 East College Street
Covina, CA 91723-2199

and when recorded mail to

The City of Covina
125 East College Street
Covina, CA 91723-2199

SPACE ABOVE THIS LINE FOR RECORDER'S USE

ACCEPTANCE OF TERMS, COVENANTS AND CONDITIONS

WHEREAS, the Planning Commission of the City of Covina held a public hearing on June 23, 1998, to receive, hear and consider oral and written testimony concerning an application for a Conditional Use Permit (CUP 98-017) in regards to the real property commonly known as 601 North Azusa Avenue, Los Angeles County, Covina, California 91722 and having parcel number 8434-001-009;

Whereas, Show Biz Pizza Time, Inc. is the lessee of said real property commonly known as 601 North Azusa Avenue;

WHEREAS, the Planning Commission, having received, heard and considered all of the oral and written testimony made certain findings; and

WHEREAS, the Planning Commission, after having received, heard and considered all of the oral and written testimony approved the application for the conditional use permit subject to the following terms, covenants and conditions:

1. This conditional use permit shall be in effect as long as Chuck E. Cheese's Pizza Restaurant with beer and wine service and game machines is on the site. When the use is replaced or is discontinued for a period of six (6) months, the conditional use permit will lapse.
2. A maximum of seventy-five (75) game machines may be kept on the site.
3. A maximum of ten (10) kiddies rides may be kept on the site.
4. A minimum of thirty-nine (39) parking spaces shall be provided in accordance with SPR 98-035 approval given to the property owner. Also, the applicant shall submit a parking plan and a parking agreement with the property owner for City approval prior to the document being recorded.
5. The applicant shall use different colors of carpet to designate all required access and egress aisles.
6. The applicant shall mitigate high levels of noise beyond 65 dba that can be heard beyond the extremities of the building in accordance with Chapter 9.40 Noise Ordinance of the Covina Municipal Code.
7. The two (2) existing wall signs approved pursuant to Variance Application 96-002 may be relocated.

8. Sign permits must be obtained from the City prior to installation of any signs.
9. Ordinance requirements not herein listed are still applicable.
10. All new roof, wall and ground-mounted utility equipment shall be screened to staff approval. This includes mechanical equipment and utility meters. The method of screening shall be shown in the construction plans.
11. Provisions of Chapter 24 of the State Code relating to handicapped persons shall apply to this development.
12. All construction shall conform with City noise ordinances restricting construction prior to 7:00 a.m. and on Sundays and Holidays.
13. The site, landscaping and all improvements shall be maintained in a sound, healthy and attractive condition free of weeds, visible deterioration, graffiti or other conditions which violate the Municipal Code.
14. This permit shall not be effective until such time as the applicant obtains an inspection and verification permit and the chief planning official certifies on said permit that the premises and use comply with all of the terms and conditions of this grant of approval.
15. This grant shall not be effective for any purposes until the permittee and the owner of the property (if other than the permittee) have filed at the office of the Department of Planning their affidavit stating that they are aware of, and agree to accept, all of the conditions of this grant.
16. Permittee shall defend, indemnify and hold harmless the City, its agents, officers, and employees from any claim, action, or proceeding against the City or its agents, officers, or employees to attack, set aside, void or annul this permit approval, which action is brought within the applicable time period of Government Code Section 65907. The City shall promptly notify the permittee of any claim, action, or proceeding and the City shall cooperate fully in the defense. If the City fails to promptly notify the permittee of any claim, action or proceeding, or if the City fails to cooperate fully in the defense, the permittee shall not thereafter be responsible to defend, indemnify, or hold harmless the City.
17. The permittee shall reimburse the City for any court and attorney's fees which the City may be required to pay as a result of any claim or action brought against the City because of this grant. Although the permittee is the real party in interest in an action, the City may, at its sole discretion, participate at its own expense in the defense of the action, but such participation shall not relieve the permittee of any obligation under this condition.
18. If any provision of this grant is held or declared to be invalid, the permit shall be void and the privileges granted hereunder shall lapse.
19. The project is categorically exempt pursuant to the California Environmental Quality Act (CEQA). If a Notice of Exemption is filed with the City, then the period during which legal challenges can be filed based upon violations of CEQA is reduced from 180 days to 30 days. To file the Notice of Exemption, please contact the Planning Division. The fee is \$25.00.
20. All of the conditions of approval listed herein shall be printed upon the face of and included as part of the final plans and specifications that are submitted during the plan checking functions for which a building permit is issued.

21. The costs and expenses of any code enforcement activities, including, but not limited to, attorneys' fees, caused by applicant's violation of any condition imposed by this Conditional Use Permit or any provision of Covina's Municipal Code shall be paid by the applicant.
22. If the location becomes a high gathering spot with any threat to public peace, safety or welfare, the management shall comply with any request by the Police Department, to close down the location for the remainder of the day or any particular day that the Department feels necessary, in order to keep the peace.

Further, should these problems become on-going, the City reserves the right to modify the business hours so as to prevent any future recurrence.
23. If, in the opinion of the Chief of Police, or his designee, there is or may be a need to change or modify the conditions herein, the Chief of Police, or his designee, may initiate a public hearing before the Planning Commission. After due notice, which affords the applicant an opportunity to be heard, the Planning Commission may, but is not obligated to, change or modify the conditions stated herein.
24. The following requirements from the Fire Department are required:
 - a. Submit plans to Fire Protection Engineering for change of occupancy (A-3 to A-2.1).
 - b. Submit to Los Angeles County Fire Department for public assembly permit.
25. The following requirements from the Building Division are applicable:
 - a. Reevaluate the existing size of grease interceptor to include the increased number of meals.
 - b. Delineate on finish floor plan the path of travel for patrons by carpet, painted floors, or decorative floor tiles.
 - c. A minimum of four sets of architectural and structural plans along with electrical, plumbing, mechanical and sewer are required for plan check submittal.
 - d. Two sets each of Title 24 Energy and structural calculations should be submitted at time of review.
 - e. Cross sectional details are needed for rated and partition walls.
 - f. Show the location of mechanical units on floor or roof plan. If exterior mounted units are proposed, indicate method of screening them from public view.
 - g. Additional comments may be required during the plan check process.

Now, therefore, the undersigned having read and considered each listed term, covenant and condition does hereby approve, consent to and agrees to abide by each of the above listed terms, covenants and conditions.

Executed this 25th day of June, 1998, at Irving, California, Dallas County, Texas

Alice Winters
Alice Winters, Ass't Sec & Ass't Treas
Representing Show Biz Pizza Time, Inc., lessee

State of ~~California~~ TEXAS

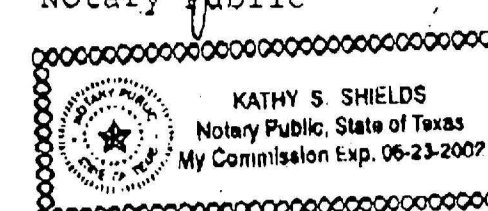
County of ~~Los Angeles~~ DALLAS

On June 25, 1998, before me, a Notary Public, personally appeared Alice Winters, Ass't Sec and Ass't Treas of ShowBiz Pizza Time, Inc.

personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS by hand and official seal.

Signature *Kathy S. Shields*
Notary Public



CHUCK E. CHEESE'S PIZZA #413 - COVINA
601 AZUSA AVENUE - COVINA, CA - 91722

SHOWBIZ PIZZA TIME INC.
4441 WEST AIRPORT FREEWAY
IRVING, TEXAS 75002

CONDITIONAL USE PERMIT

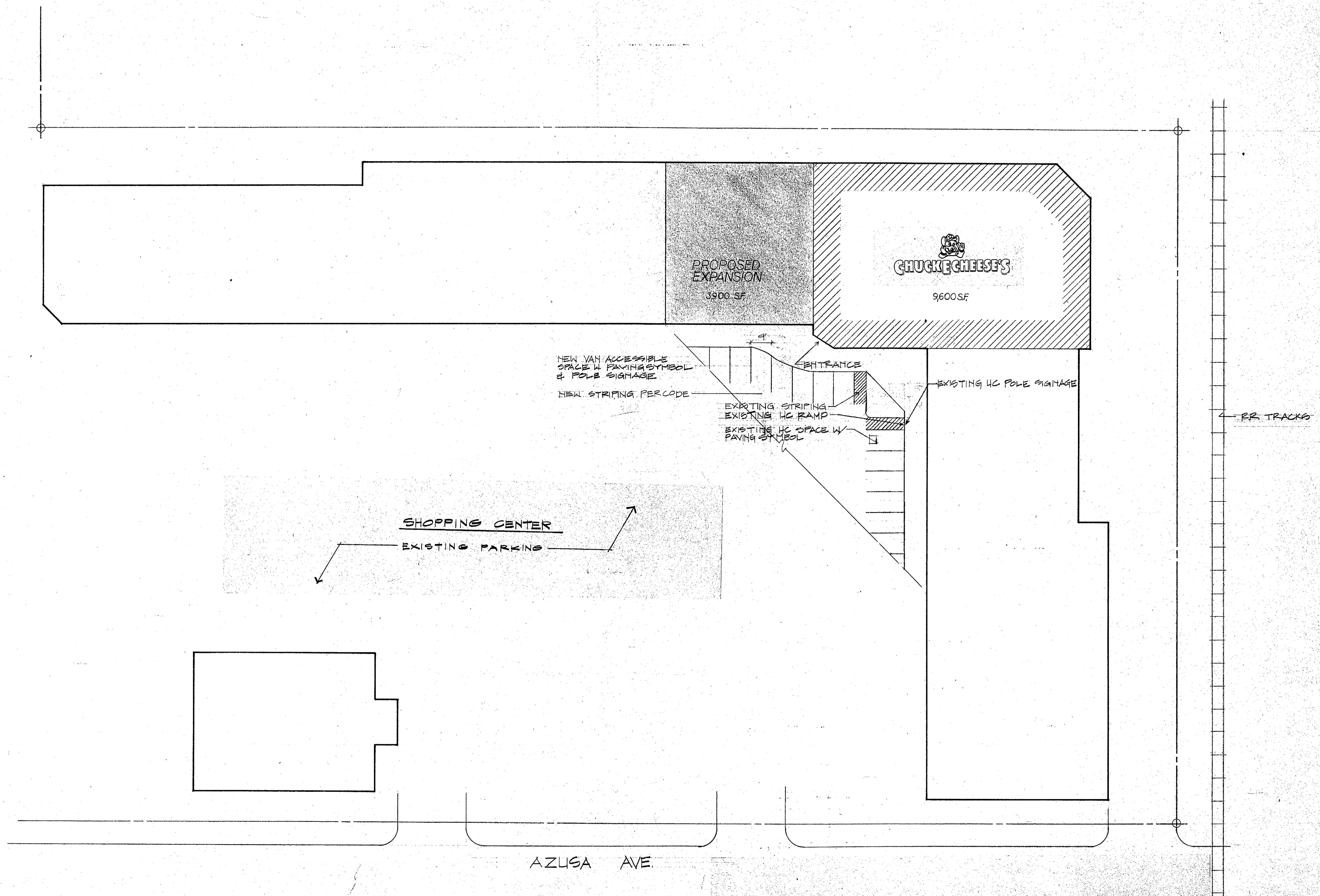
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07/21/98

Revisions

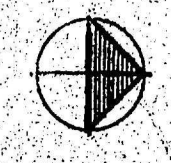
Project Number
97-03S

Sheet Number

CUP
of 1



SITE PLAN
 SCALE: 1" = 20'-0"



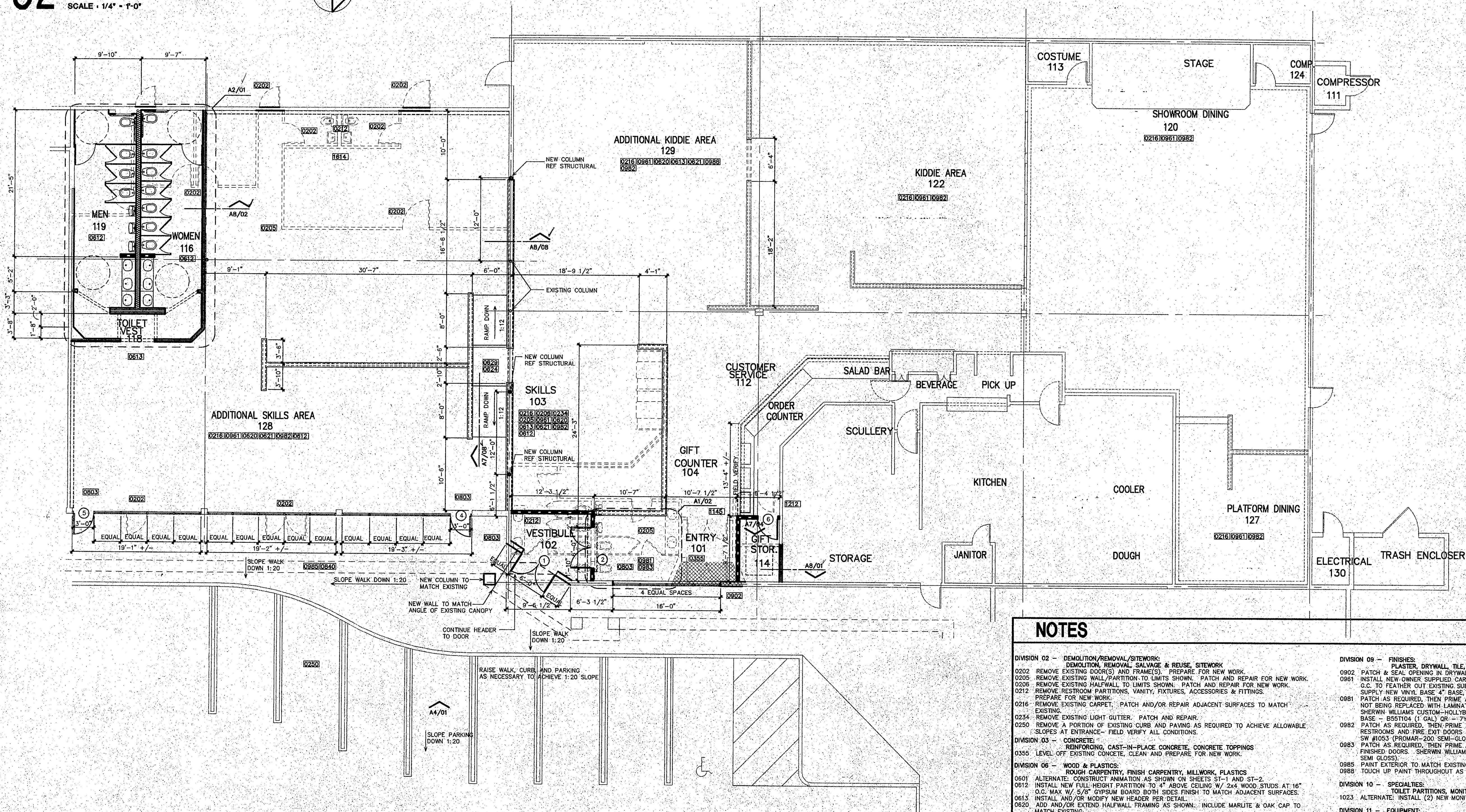
EXISTING SITE PLAN
 FOR REFERENCE ONLY

01 FLOOR PLAN

SCALE: 1/8" = 1'-0"

02 ENLARGED FLOOR PLAN

SCALE: 1/4" = 1'-0"



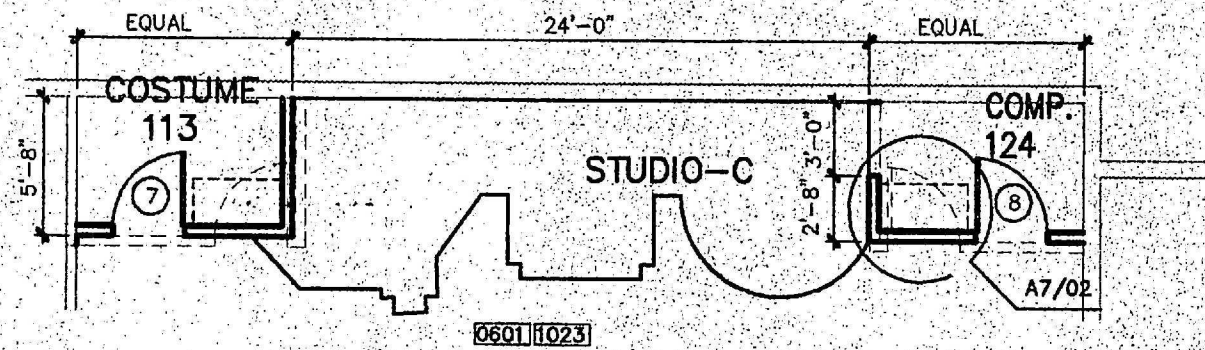
KEY	
---	EXISTING PARTITIONS
----	CEILING HEIGHT PARTITIONS
=====	FULL HEIGHT PARTITIONS (TO ROOF DECK)
-----	NEW HALF-WALLS HEIGHT PER PLANS & INTERIOR ELEVATIONS
-----	WALLS TO BE REMOVED
-----	HEADERS

NOTE:

1. PROVIDE WOOD BLOCKING AS REQUIRED BEHIND SHELVES, DESKS, COUNTERS, TOILET PARTITIONS, & ALL OTHER WALL MOUNTED FIXTURES, & EQUIPMENT FURNISHED BY OTHERS. REFER SHEETS A2, A2a, A5c, A9. ALSO REFER TO KITCHEN SUPPLIES BACKING DRAWING-CONTACT OWNER'S PROJECT MANAGER IF YOU HAVE NOT RECEIVED PRIOR TO CLOSING WALLS.
2. PROVIDE BATT INSULATION AT EXTERIOR WALLS; PARTITIONS BETWEEN RESTROOMS AND ALL OTHER PUBLIC AREAS; PARTITIONS BETWEEN KITCHEN AND ADJACENT AREAS; AND PARTITIONS AT MECH. ROOM.

03 STUDIO 'C' PLAN (ALTERNATE)

SCALE: 1/8" = 1'-0"



NOTES

- DIVISION 02 - DEMOLITION/REMOVAL/SITEWORK:**
 0202 REMOVE EXISTING DOOR(S) AND FRAME(S). PREPARE FOR NEW WORK.
 0205 REMOVE EXISTING WALL/PARTITION TO LIMITS SHOWN. PATCH AND REPAIR FOR NEW WORK.
 0208 REMOVE EXISTING HALF-WALL TO LIMITS SHOWN. PATCH AND REPAIR FOR NEW WORK.
 0212 REMOVE EXISTING PARTITIONS, VANITY, FIXTURES, ACCESSORIES & FITTINGS. PREPARE FOR NEW WORK.
 0216 REMOVE EXISTING CARPET. PATCH AND/OR REPAIR ADJACENT SURFACES TO MATCH EXISTING.
 0234 REMOVE EXISTING LIGHT GUTTER. PATCH AND REPAIR.
 0250 REMOVE A PORTION OF EXISTING CURB AND PAVING AS REQUIRED TO ACHIEVE ALLOWABLE SLOPES AT ENTRANCE- FIELD VERIFY ALL CONDITIONS.
- DIVISION 03 - CONCRETE:**
 0355 LEVEL OFF EXISTING CONCRETE, CLEAN AND PREPARE FOR NEW WORK.
- DIVISION 06 - WOOD & PLASTICS:**
 0601 ALTERNATE: CONSTRUCT ANIMATION AS SHOWN ON SHEETS ST-1 AND ST-2.
 0612 INSTALL NEW FULL-HEIGHT PARTITION TO 4" ABOVE CEILING W/ 2x4 WOOD STUDS AT 16" O.C. MAY W/ 5/8" GYPSUM BOARD BOTH SIDES FINISH TO MATCH ADJACENT SURFACES.
 0613 INSTALL AND/OR MODIFY NEW HEADER PER DETAIL.
 0620 ADD AND/OR EXTEND HALF-WALL FRAMING AS SHOWN. INCLUDE MARLITE & OAK CAP TO MATCH EXISTING.
 0621 ADD MARLITE AND CHAIR RAIL TO WALLS. FINISH TO MATCH EXISTING.
 0624 CONSTRUCT NEW ADA RAMPS & HANDRAILS PER DETAIL.
 0628 PROVIDE AND INSTALL HANDRAILS AS SHOWN ON DETAIL. FINISH TO MATCH EXISTING.
- DIVISION 08 - DOORS & WINDOWS:**
 0803 INSTALL NEW DOOR, FRAME & HARDWARE AS SCHEDULED.
 0840 FURNISH AND INSTALL NEW ALUMINUM STOREFRONT PACKAGE.
- DIVISION 09 - FINISHES:**
 0902 PATCH & SEAL OPENING IN DRYWALL/DRYVIT/PLASTER TO MATCH ADJACENT FINISHES.
 0961 INSTALL NEW OWNER SUPPLIED CARPET & MASTIC. HARBINGER CARPET, "CEC PASSION" G.C. TO FEATHER OUT EXISTING SUB-FLOOR BEFORE INSTALLING NEW CARPET & G.C. TO SUPPLY NEW VINYL BASE 4" BASE. BURKE #402P CHARCOAL.
 0981 PATCH AS REQUIRED, THEN PRIME AND PAINT FOR EXISTING INTERIOR DOORS NOT BEING REPLACED WITH LAMINATE DOORS. (NOT APPLICABLE AT FIRE EXITS)
 SHERWIN WILLIAMS CUSTOM-HOLLIBERRY RED FORMULA
 BASE - B55T04 (1 GAL) OR - 7Y36 RO-14 TW-14 UP-17 (B-54 ALKYD ENAMEL GLOSS)
 0982 PATCH AS REQUIRED, THEN PRIME AND PAINT FOR UPPER WALLS THROUGHOUT, INCLUDING RESTROOMS AND FIRE EXIT DOORS & FRAMES SHERWIN WILLIAMS "LIGHT MOVES" SW #1053 (PRIMAR-200 SEMI-GLOSS LATEX) TEXTURE "ORANGE PEEL"
 0983 PATCH AS REQUIRED, THEN PRIME AND PAINT FOR INTERIOR DOOR FRAMES WITH RED FINISHED DOORS. SHERWIN WILLIAMS WINDSOR GRAY SW #1040 (B-54 ALKYD ENAMEL SEMI GLOSS)
 0985 PAINT EXTERIOR TO MATCH EXISTING.
 0988 TOUCH UP PAINT THROUGHOUT AS NEEDED.
- DIVISION 10 - SPECIALTIES:**
 1023 ALTERNATE: INSTALL (2) NEW MONITORS, ONE ON EACH SIDE OF ANIMATION. REFER TO A7/02.
- DIVISION 11 - EQUIPMENT:**
 1145 ANIMATED SHOW, FOOD SERVICE EQUIPMENT, KITCHEN EQUIPMENT
 1145 NEW COUNTER AND FINISH TO MATCH EXISTING.
- DIVISION 12 - FURNISHINGS:**
 1211 DECOR, KID CHECK, BOOTHS, TABLES, CHAIRS, BENCHES
 1211 INSTALL OWNER FURNISHED "KID CHECK STAND"
 1212 INSTALL NEW "SLATWALL" AND ASSOCIATED "OAK TRIM" INCLUDING MULTI-COLORED SHELVING TO MATCH EXISTING.
 1230 PROVIDE ADDITIONAL HARDWARE STANCHIONS & ROPE TO RECONFIGURE KID CHECK AREA AS SHOWN ON DETAIL.
- DIVISION 16 - ELECTRICAL:**
 1614 RELOCATE ELECTRICAL PANELS TO NEW LOCATIONS AS SHOWN.

CHUCK E. CHEESE'S PIZZA #413 - COVINA

801 AZUSA AVENUE - COVINA, CA - 91722

SHOWBIZ PIZZA TIME, INC.

4441 WEST AIRPORT FREEWAY

IRVING, TEXAS 75062

DEMO AND FLOOR PLAN

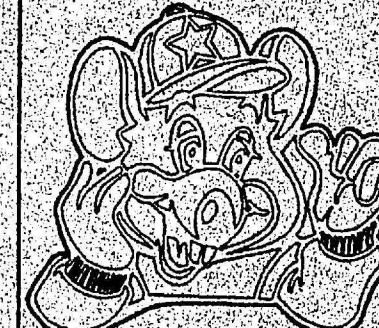
Date 06/09/98

Revisions

Project Number 97-03S

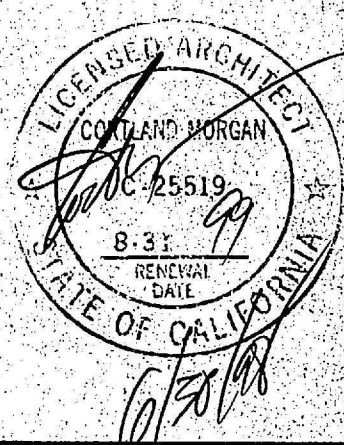
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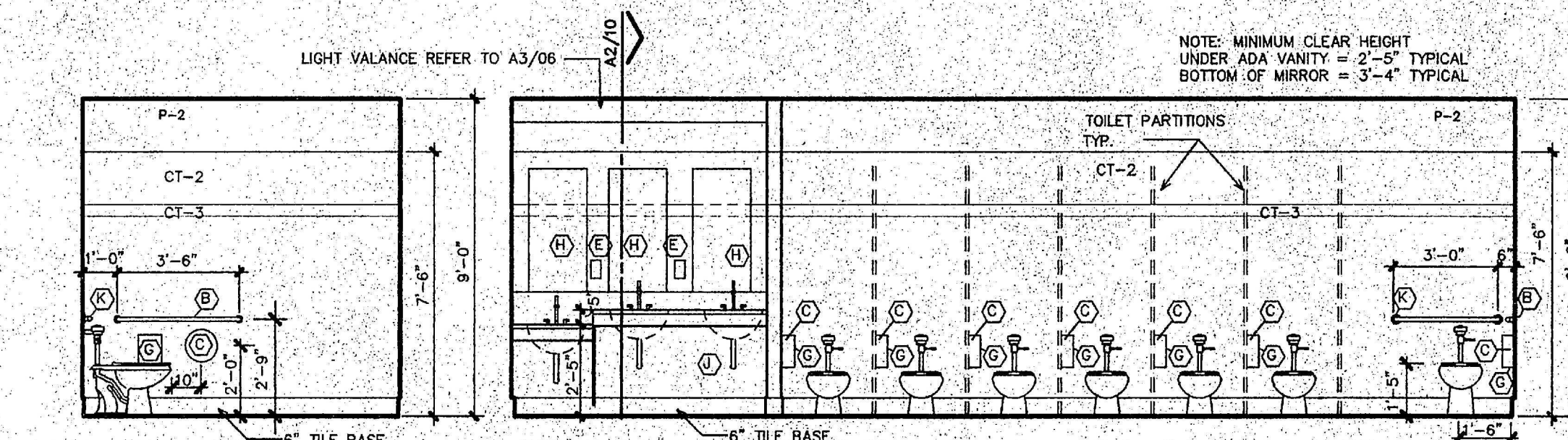
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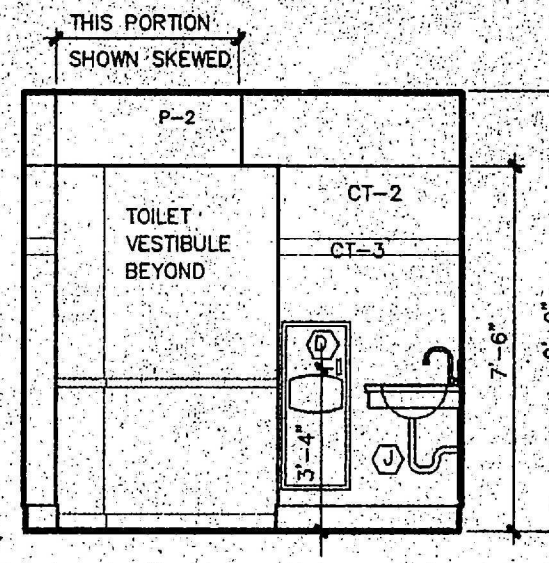
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 10000 WILSON AVENUE, SUITE 200
 DALLAS, TEXAS 75243 (214) 350-0077

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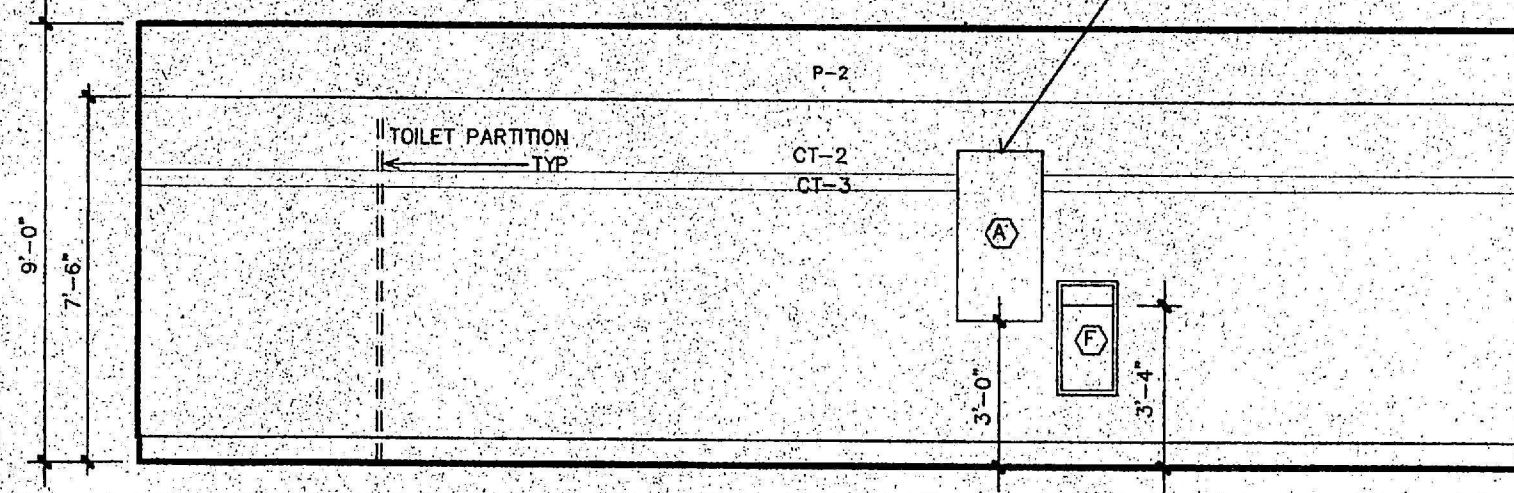




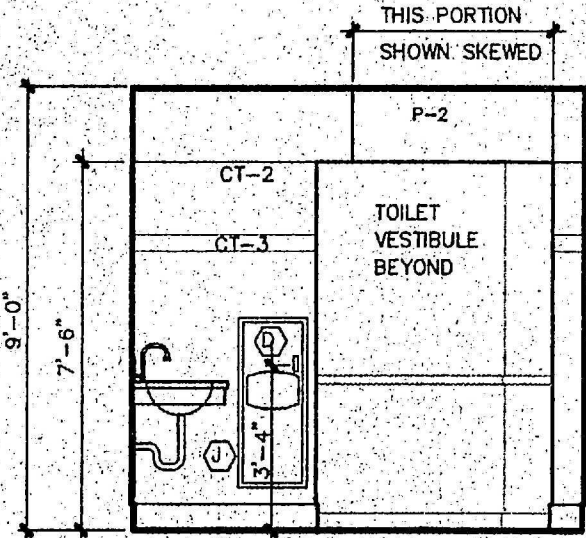
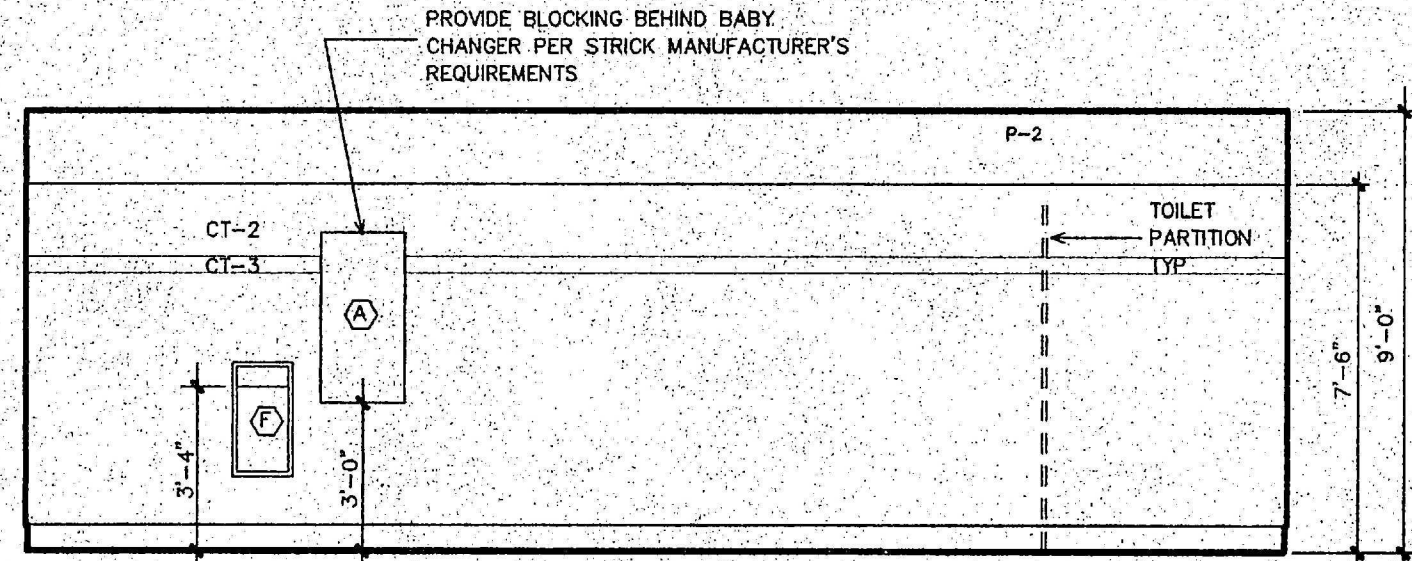
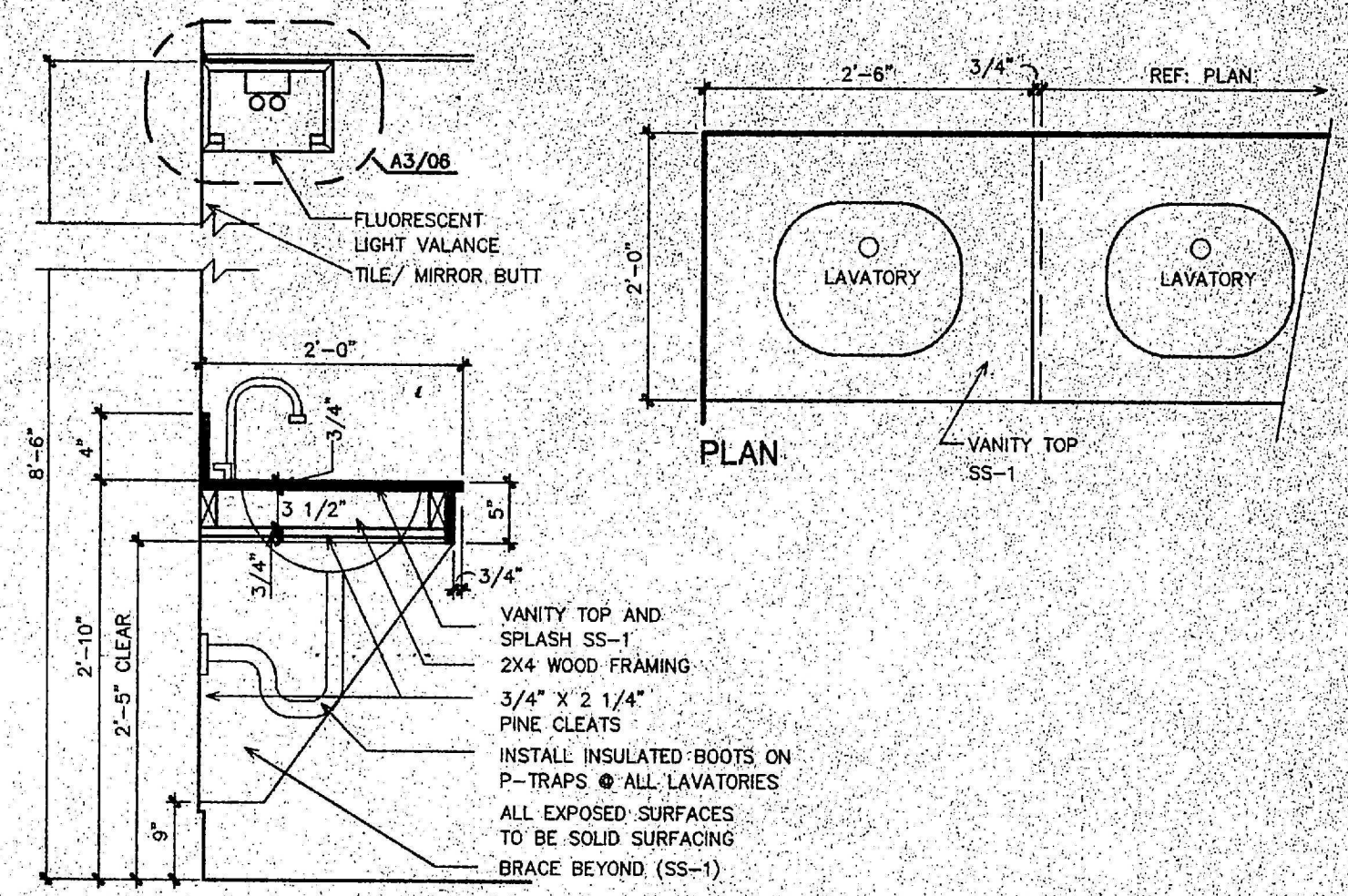
03 WOMENS
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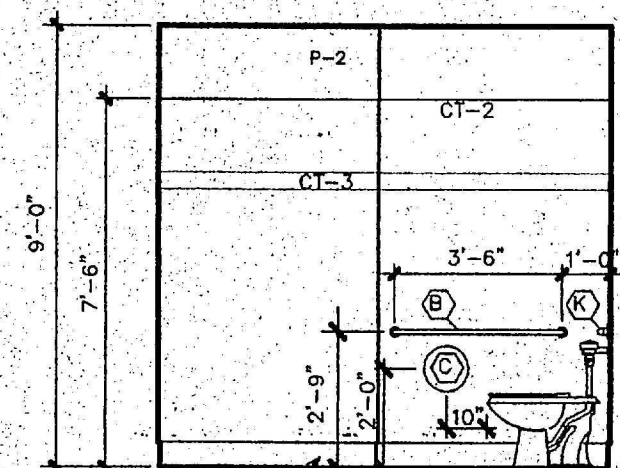
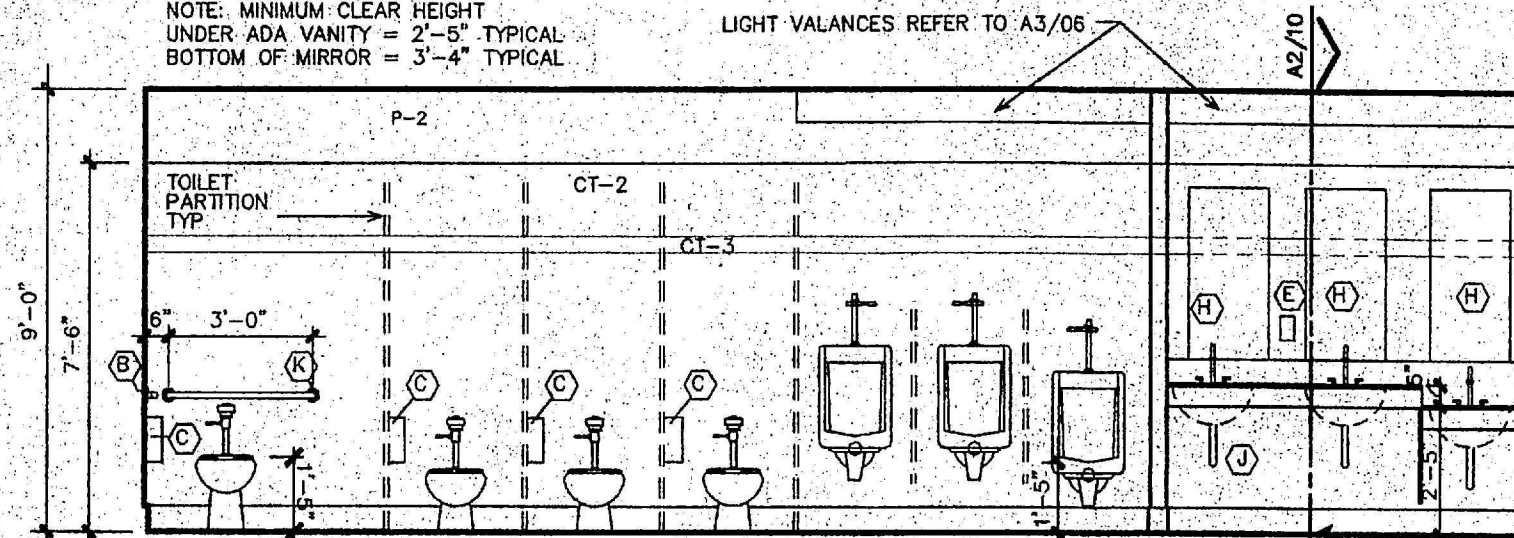
05 WOMENS
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10 LAVATORY COUNTER SECTION
SCALE: 3/4" = 1'-0"



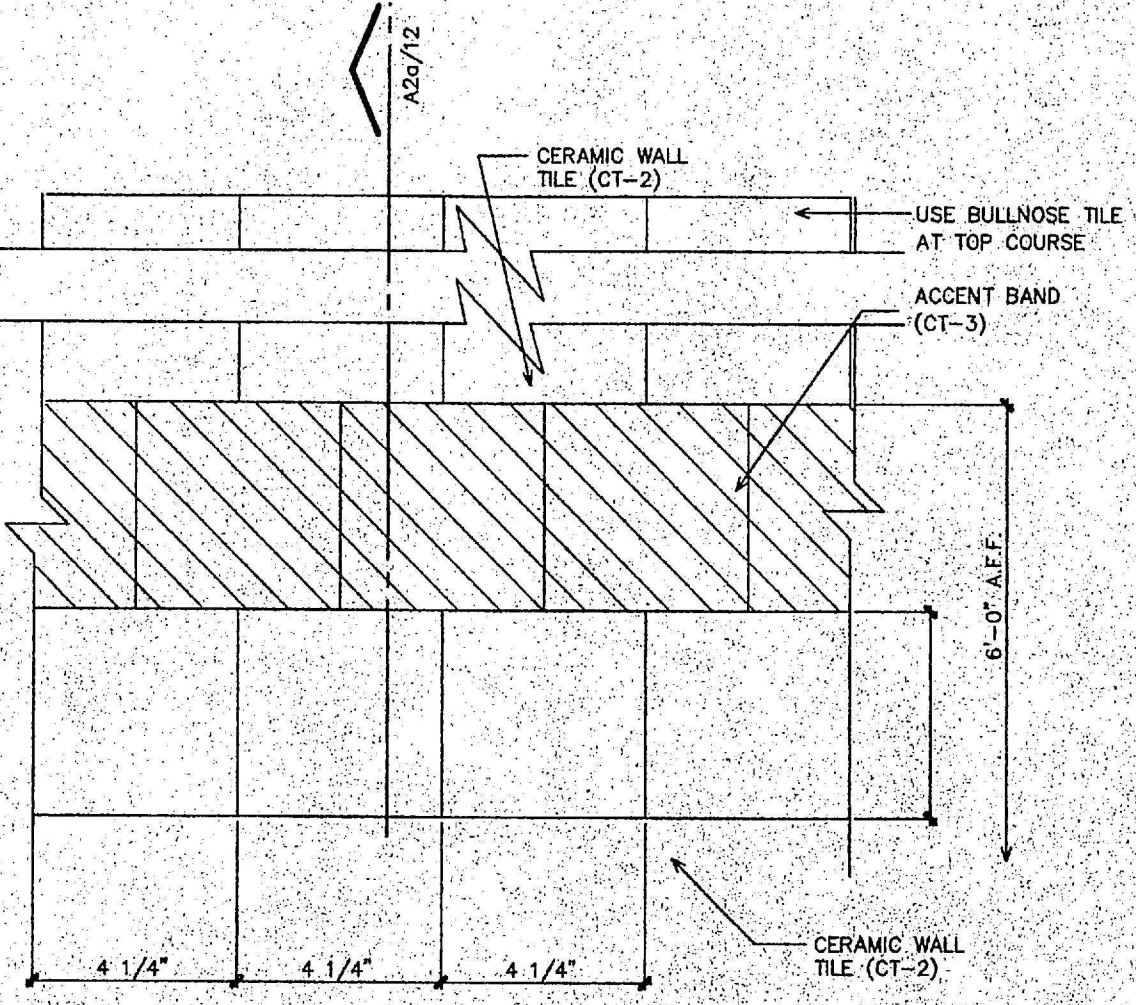
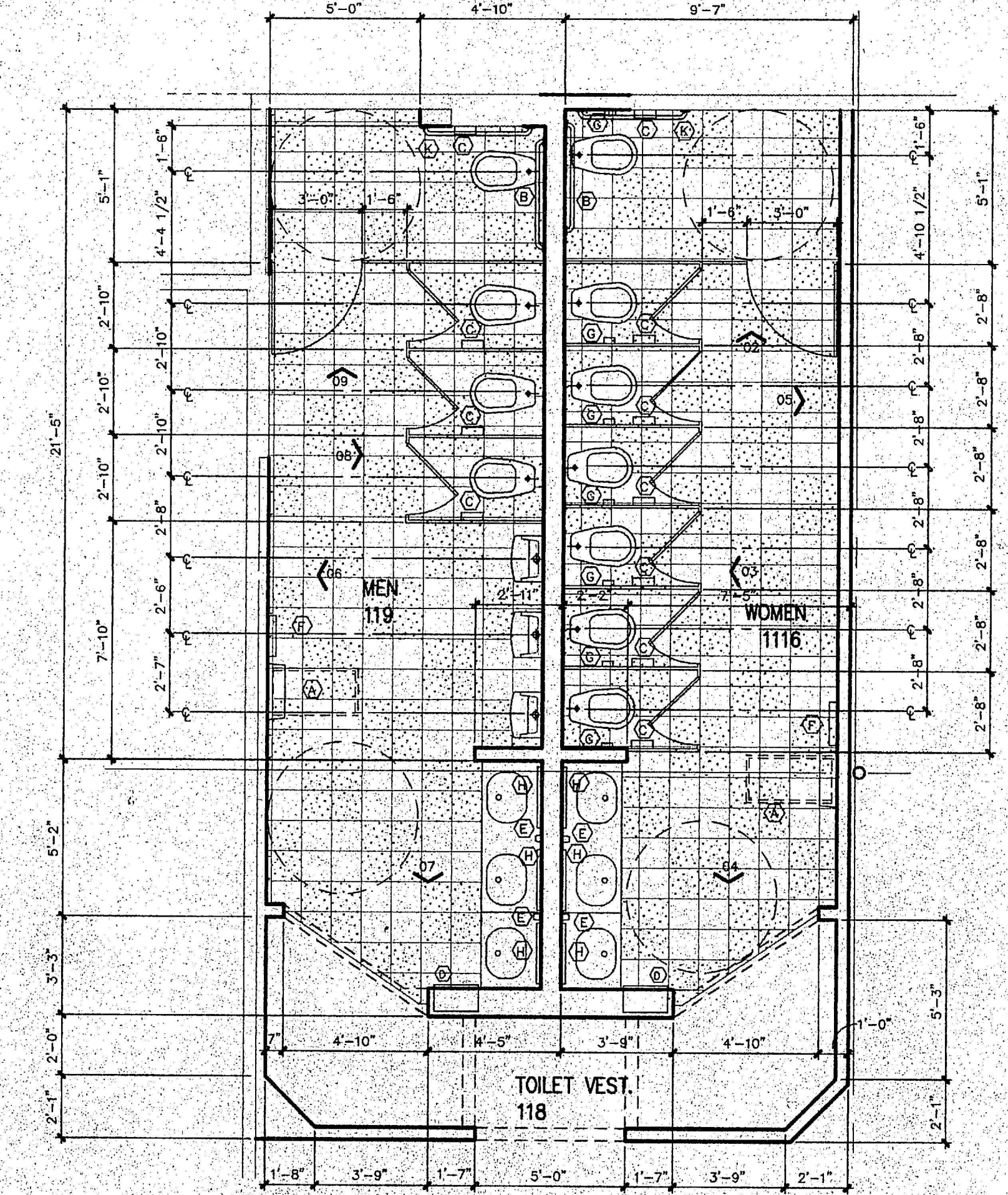
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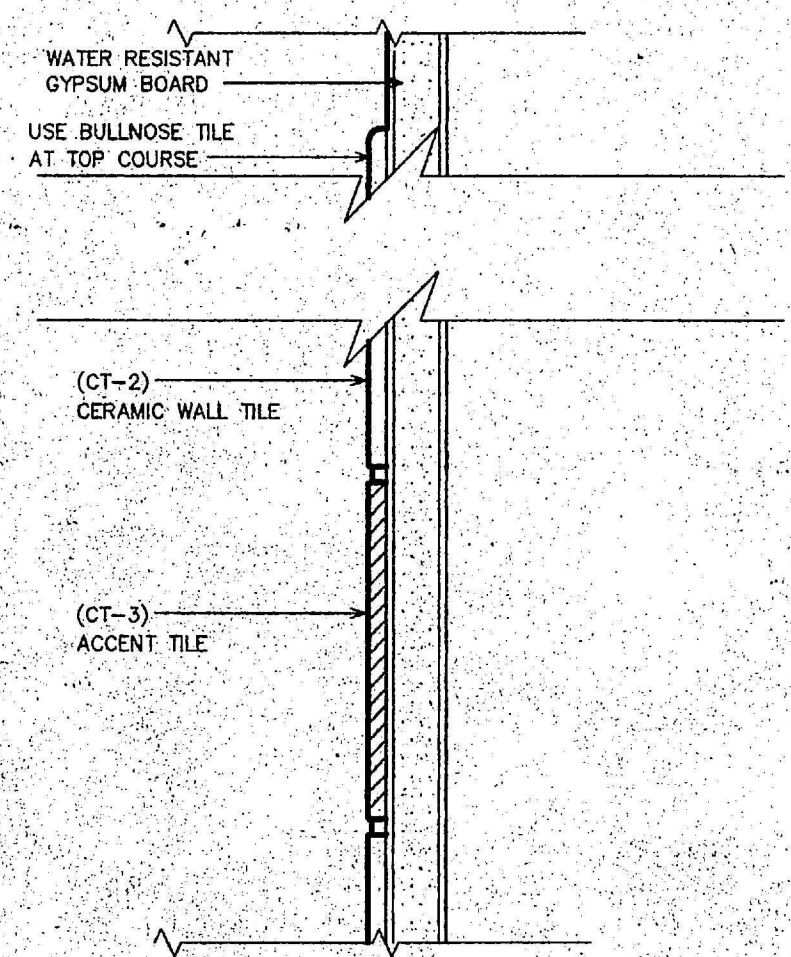
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RESTROOM ACCESSORIES

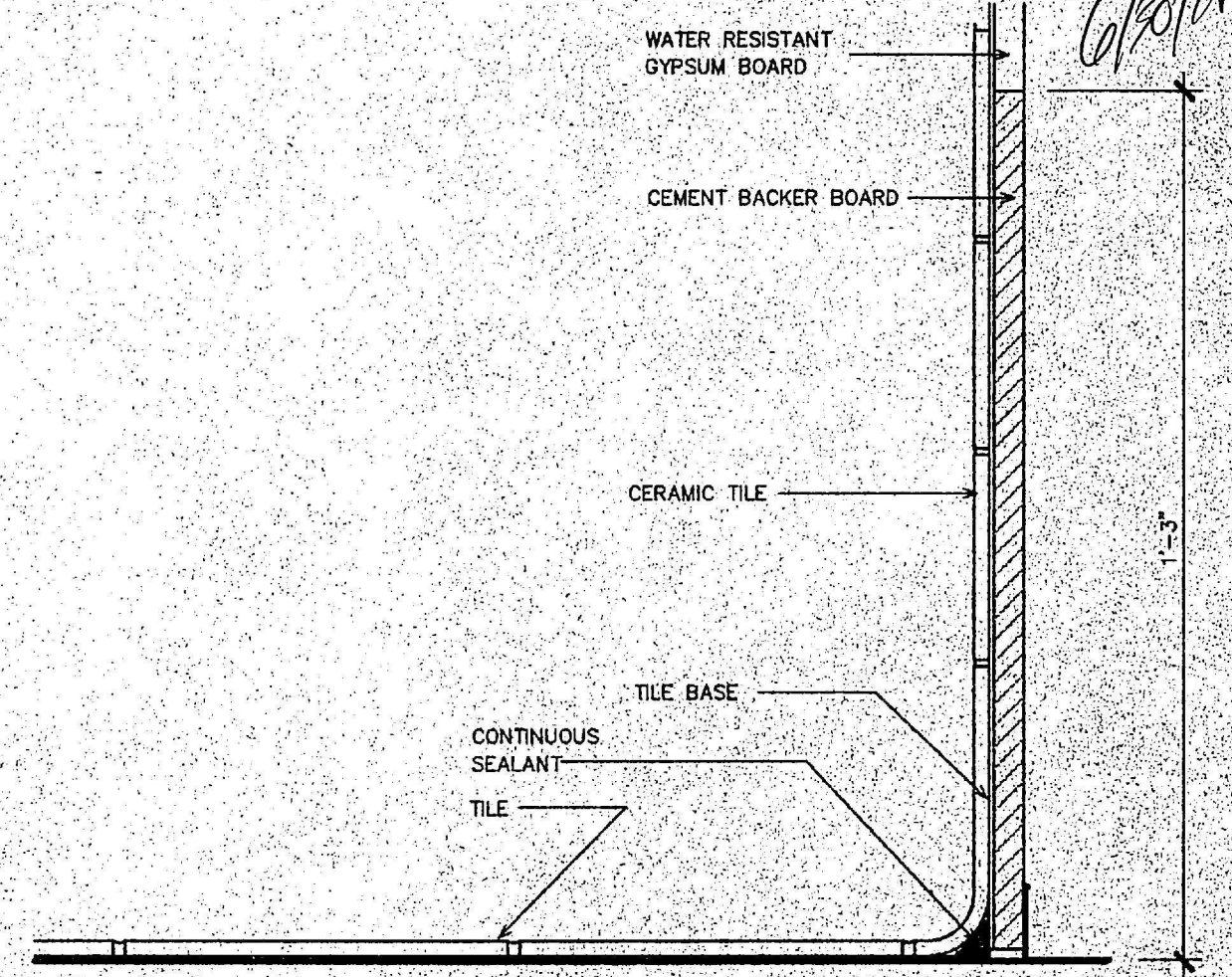
MARK	MANUFACTURER	DESCRIPTION	FURNISHED BY	INSTALLED BY
A	JBY INDUSTRIES	WALL MOUNTED BABY CHANGE TABLE	G.C.	G.C.
B	BRADLEY #120-001420	42" HANDICAP GRAB BARS	G.C.	G.C.
C		TISSUE DISPENSER SINGLE STALL	OWNER	G.C.
D	BRADLEY #2277	WASTE RECEPTACLE/ROLL TOWEL DISPENSER	G.C.	G.C.
E		SOAP DISPENSER MOUNTED BETWEEN MIRRORS	OWNER	G.C.
F	BRADLEY #344	WASTE RECEPTACLE FOR BABY CHANGE	G.C.	G.C.
G	BRADLEY #4781-15	NAPKIN DISPOSAL BOXES CONTRACTOR SHALL INSTALL ONE NAPKIN DISPOSAL BOX IN EACH STALL OF THE WOMEN'S RESTROOM 118	G.C.	G.C.
H	BRADLEY #740-1830	(18" X 30") STAINLESS STEEL ANGLED FRAMED MIRROR	G.C.	G.C.
J	BROCAR	PIPE SAFETY COVERS	G.C.	G.C.
K	BRADLEY #8120-00136	36" HANDICAP GRAB BARS	G.C.	G.C.



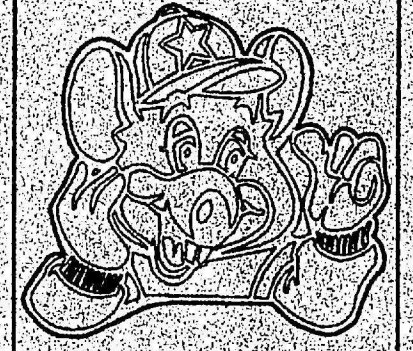
11 RR. TILE CHECKS
SCALE: 3" = 1'-0"



12 TILE DETAIL AT RESTROOM
SCALE: 8" = 1'-0"



13 CERAMIC TILE COVE BASE DETAIL
SCALE: 3" = 1'-0"



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SHOWBIZ PIZZA TIME, INC.
4441 WEST AIRPORT FREEWAY
IRVING, TEXAS 75062

ENLARGED RESTROOM PLAN

Date: 06/26/98

Revisions:

Project Number: 97-035

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CEILING LEGEND

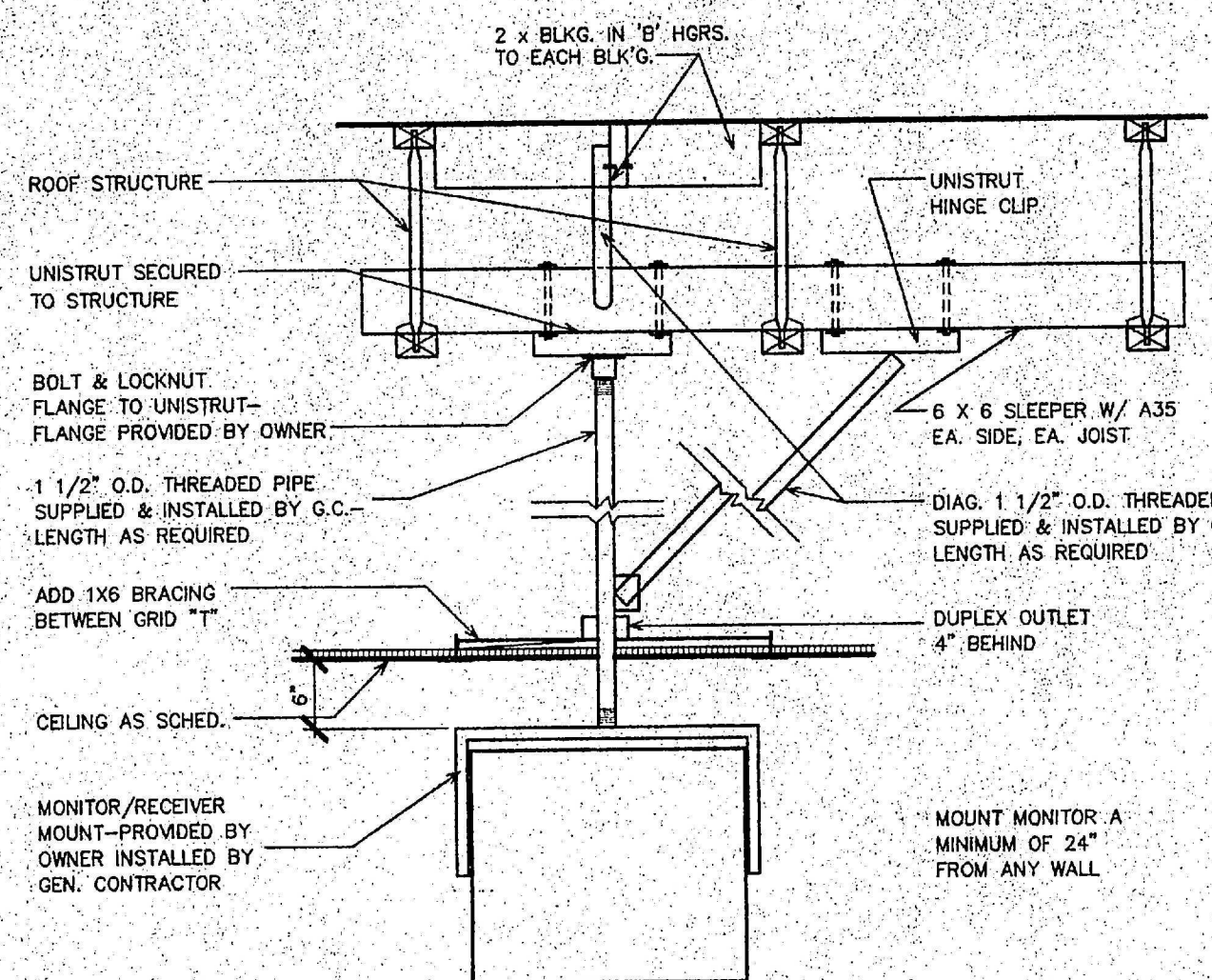
- CLG MOUNT BOSE SPEAKER BY OWNER
- HANGING BOX SPEAKER BY OWNER
- 8" ROUND SPEAKER BY OWNER
- SUPPLY AIR GRILLE
- RETURN AIR GRILLE
- EMERGENCY LIGHTING UNIT
- EXIT UNIT
- RECESSED DOWN LIGHT
- HANGING LIGHT AT BOOTHS
- 36" FLUORESCENT STRIP (2 BULBS)
- 48" FLUORESCENT STRIP (1 BULB)
- 24" FLUORESCENT STRIP (1 BULB)
- TRACK LIGHT
- TRACK LIGHT WITH EXTENSION WAND
- TRACK LIGHT WITH MONOPOINT MOUNT
- SPOT LIGHT ON TRUSS
- LIGHT TRACK (LENGTH AS SHOWN)
- ARTUP WALLSCENCE
- 2x4 LAY-IN FLUORESCENT FIXTURE W/ ACRYLIC LENSE
- FIXTURE W/ BATTERY BACK-UP AND ACRYLIC LENSE
- 2x4 LAY-IN FLUORESCENT FIXTURE W/ SILVER LENSE
- 2x4 LAY-IN FLUORESCENT FIXTURE W/ BLACK LIGHT LAMPS
- EXISTING FIRE SPRINKLER
- CEILING OUTLET

FIXTURE SCHEDULE

- K1 TRACK LIGHT FIXTURE - BALLROOM TRACKS TO RECEIVE 75 WATT PAR 30 CAPSULE LCL # 9233 BKG
- K2 TRACK LIGHT FIXTURE - SHOWROOM TRACKS TO RECEIVE R20 50WATT WHITE. ALL OTHERS R20 50WATT CAPSULE LIGHTS LCL # 9223BK
- F3 4 FT. 1 LAMP. FLUORESCENT STRIP COLUMBIA Q44-140-LE-120V LAMP: 1-FAUCW/SS
- F1 2 FT. 1 LAMP. FLUORESCENT STRIP COLUMBIA Q42-120-LE-120V LAMP: 1-FAUCW/SS
- G1 DECORATIVE FIXTURE, CORD SUSPENDED 2'-6" ABOVE TOP OF TABLE HI-LITES 403044
- D3 RECESSED INCANDESCENT DOWNLIGHT WITH BAFFLE & TRIM RING PRESOLITE PBX-1070S LAMP: 1-100A/80/SS
- UBLACK LIGHT TOWER TRACK 2 STARTER TRACK LCL #6000BK TRACK ADAPTER LCL #7589BK CORD PLUG SET FOR TRACK LCL #6082BK 4 STARTER TRACK LCL #6001BK MONOPOINT MOUNT LCL #6190BK 8 STARTER TRACK #6002BK MONOPOINT KIT LCL #6053BK 9 JOINER TRACK LCL #6003BK
- ALL LIGHTING FIXTURES AND ACCESSORIES BY G.C. ITEMS NOTED IN REMARKS ARE REQUIRED PURCHASES FROM DEALERS ELECTRICAL SUPPLY. PH 972-790-7000
- E1 EXTERIOR SURFACE MOUNT - SPALDING WGRM-M400-M7 LAMP: 1-M44/U
- R EXISTING TRACK AND/OR FIXTURE TO BE RELOCATED
- C1 EXTERIOR SCONCES - AMERICAN LANTERN #4-2022-08 LAMP: 2-150W/PAR38
- D1 RECESSED FLUORESCENT DOWNLIGHT WITH BAFFLE & TRIM RING PRESOLITE CFB32EB-SIFB02 LAMP: 42 WATT TRI-TUBE - SYLVANIA CF42DT/E/N/B41

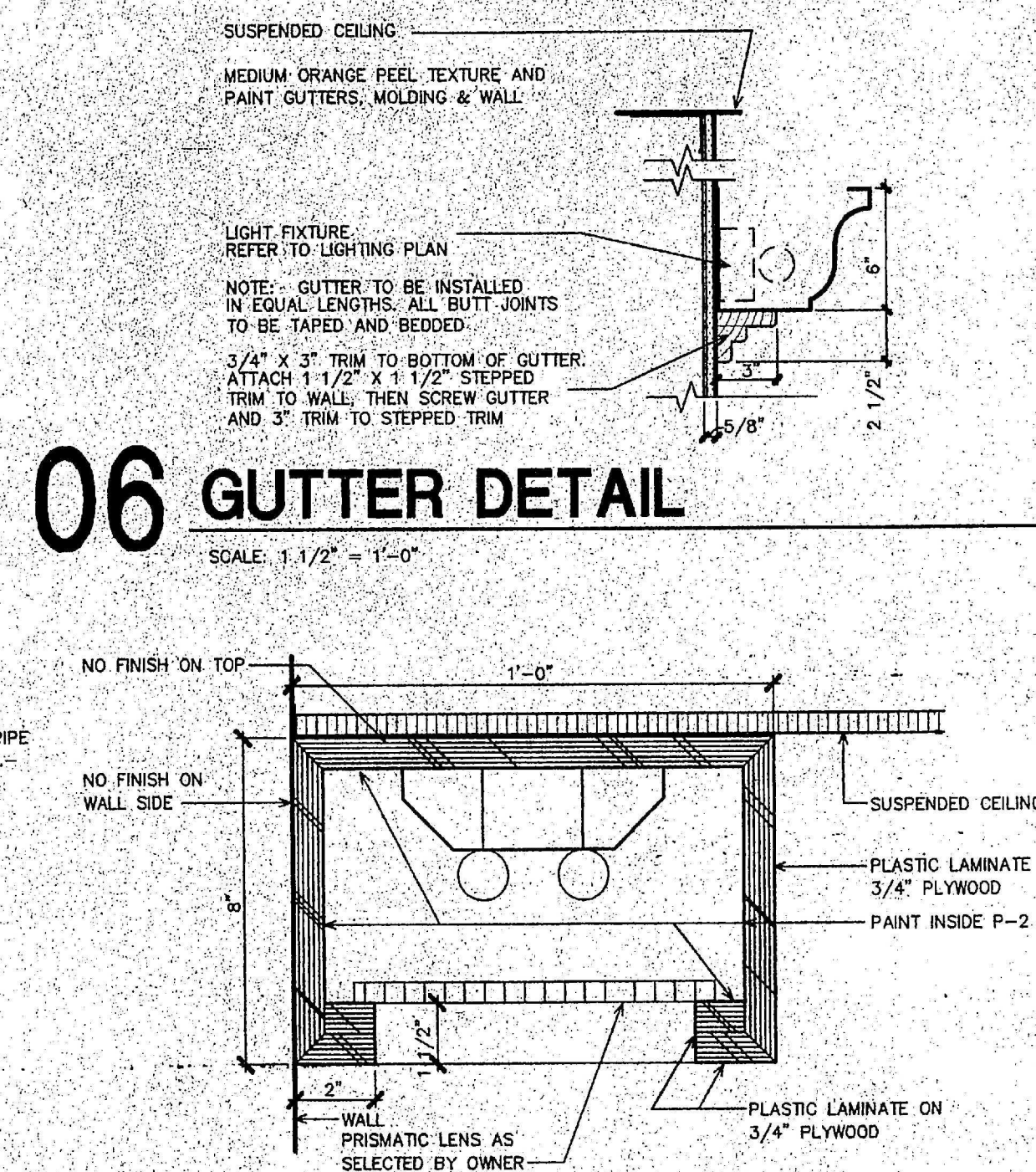
04 MONITOR MOUNT DETAIL

SCALE: 3/4" = 1'-0"



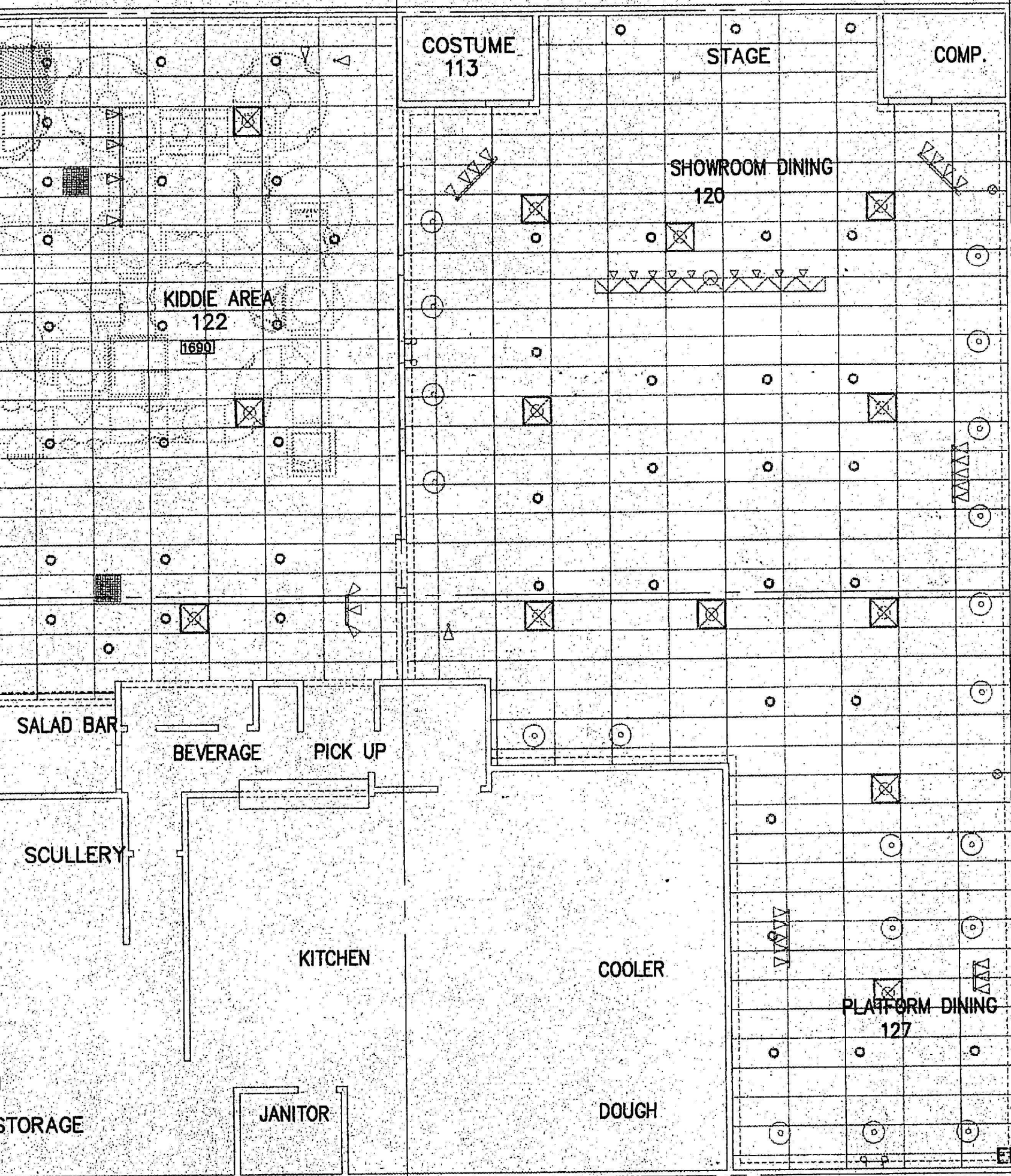
06 GUTTER DETAIL

SCALE: 1 1/2" = 1'-0"



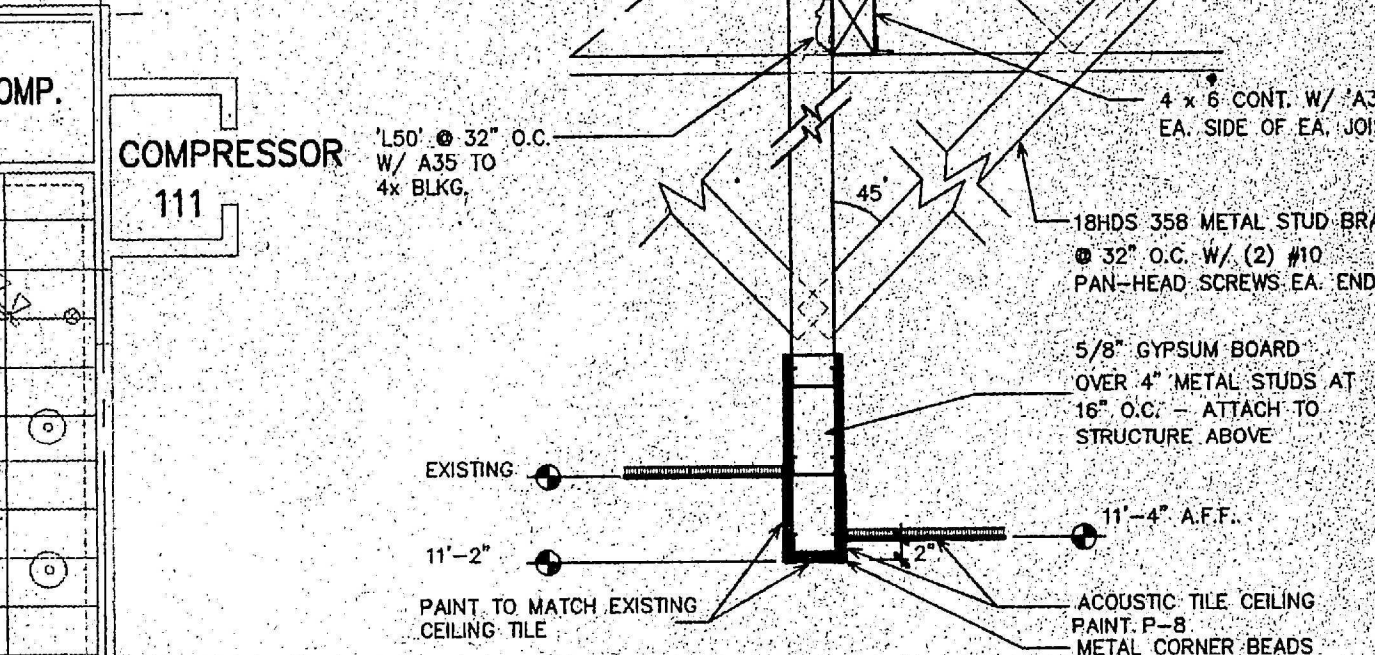
07 LIGHT VALANCE

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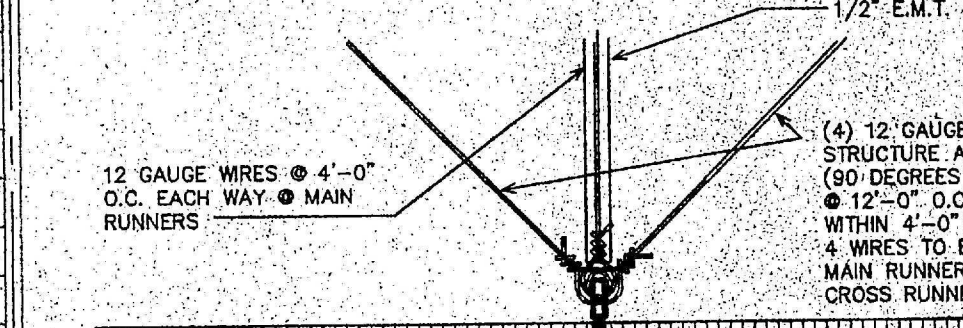
09 STUDIO 'C' PLAN (ALTERNATE)

SCALE: 1/8" = 1'-0"



ALT.10 @ ANIMATION CEILING BRACING NOTES

- FOUR NO. 12 GAUGE WIRES MUST BE SECURED TO THE MAIN RUNNER WITHIN 2 INCHES OF THE CROSS RUNNER INTERSECTION AND SPACED 90 DEGREES FROM EACH OTHER AT AN ANGLE NOT EXCEEDING 45 DEGREES FROM THE PLANE OF THE CEILING. A STRUT FASTENED TO THE MAIN RUNNER SHALL BE EXTENDED TO AND FASTENED TO THE STRUCTURAL MEMBERS SUPPORTING THE ROOF OR FLOOR ABOVE. THE STRUT SHALL BE ADEQUATE TO RESIST THE VERTICAL COMPONENT INDUCED BY THE BRACING WIRES. THESE HORIZONTAL RESTRAINT POINTS SHALL BE PLACED 12 FEET ON CENTER IN BOTH DIRECTIONS WITH THE FIRST POINT WITHIN 6 FEET FROM EACH WALL. ATTACHMENT OF THE RESTRAINT WIRES TO THE STRUCTURE ABOVE SHALL BE ADEQUATE FOR THE LOAD IMPOSED.
- LATERAL FORCE BRACING MEMBERS SHALL BE SPACED A MINIMUM OF 6 INCHES FROM ALL HORIZONTAL PIPING OR DUCT WORK THAT IS NOT PROVIDED WITH BRACING. RESTRAINTS FOR HORIZONTAL FORCES. BRACING WIRES SHALL BE ATTACHED TO THE GRID AND TO THE STRUCTURE IN SUCH A MANNER THAT THEY CAN SUPPORT A DESIGN LOAD OF NOT LESS THAN 200 POUNDS OR THE ACTUAL LOAD, WHICHEVER IS GREATER, WITH A SAFETY FACTOR OF 2.



11 CEILING LATERAL TIE

SCALE: 3/4" = 1'-0"



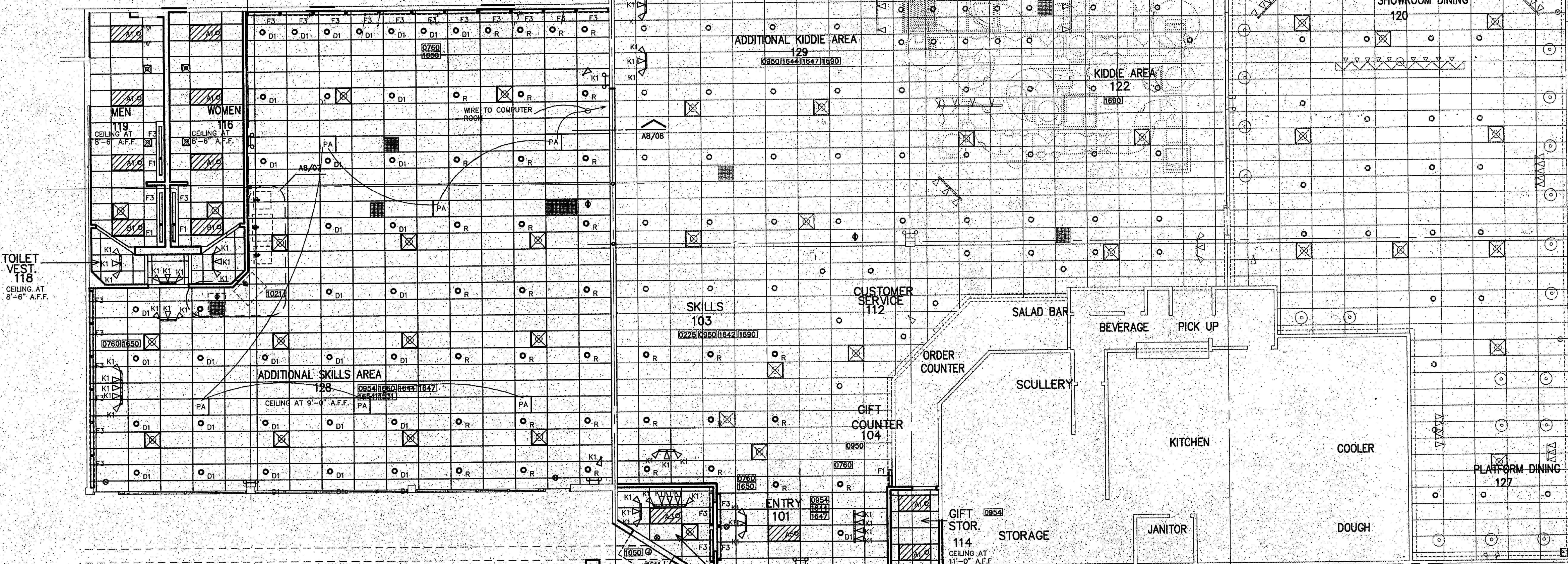
NOTES

- DIVISION 02 - DEMOLITION/REMOVAL/STEWARK:**
0225 REMOVE EXISTING TRACK LIGHTS AND SALVAGE FOR REUSE.
- DIVISION 06 - WOOD & PLASTICS:**
ROUGH CARPENTRY, FINISH CARPENTRY, MILLWORK, PLASTICS
ALT. 0642 RELOCATE EXISTING DECOR. SHELF AT 7'-0" A.F.F.
ALT. 0950 CONSTRUCT HEADER AS SHOWN ON DETAIL
- DIVISION 07 - THERMAL & MOISTURE:**
INSULATION, EPS, ROOFING, SHEETMETAL, SEALANTS
0760 G.C. TO FURNISH AND INSTALL NEW GUTTER FOR LIGHTING AS INDICATED. REFER TO DETAIL
- DIVISION 09 - FINISHES:**
PLASTER, DRYWALL, TILE, ACOUSTICAL FLOORING, PAINTING
0950 FURNISH & INSTALL MATCHING CEILING TILES TO REPLACE ANY DAMAGED OR STAINED EXISTING TILES AS REQUIRED. INSTALL CLIPS WHERE REQUIRED BY CODE.
0954 FURNISH AND INSTALL NEW 2' X 4' CEILING TILE WITH GRID TO MATCH EXISTING.
ALT. 0961 PAINT CEILING TILE AND GRID P-8 OVER ANIMATED SHOW IN STUDIO-C
ALT. 0992 LOWER EXISTING CEILING TO 11'-4" A.F.F. REFER TO DETAIL
- DIVISION 10 - SPECIALTIES:**
TOILET PARTITIONS, MONITORS, SIGNAGE, AWNINGS, TOILET ACCESSORIES
ALT. 1021 RELOCATE EXISTING SHOWROOM MONITOR TO NEW LOCATION. REFER TO DETAIL
1050 SIGN COMPANY SHALL PERMIT AND INSTALL NEW BACKLIT AWNINGS. G.C. TO SUPPLY & CONNECT ELECTRICAL AS REQUIRED.
- DIVISION 15 - MECHANICAL:**
PLUMBING, FIRE PROTECTION, HVAC, CONTROLS
1531 REWORK EXISTING SPRINKLER SYSTEM TO PROVIDE COMPLETE COVERAGE IN EXPANSION AREA PER ALL LOCAL CODES AND ORDINANCES

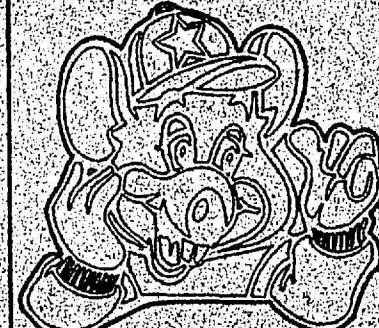
- DIVISION 16 - ELECTRICAL:**
POWER, LIGHTING, SOUND, COMMUNICATIONS, COMPUTERS
1611 INSTALL 1-BOY FOR EXTERIOR LIGHTS. 7 SIGNAGE. G.C. TO FIELD VERIFY EXACT LOCATION.
1642 RECONFIGURE EXISTING RECESSED LIGHTING AS SHOWN. ADD ADDITIONAL 'D' FIXTURES WHERE INDICATED. FIELD VERIFY.
1644 SUPPLY & INSTALL NEW TRACK LIGHTING WITH 'K' FIXTURES AS SHOWN. REFER TO SCHEDULE.
1647 FURNISH AND INSTALL NEW TRACK LIGHTING TO ACHIEVE LAYOUT SHOWN. REFER TO FUTURE SCHEDULE. (SAVE EXISTING TRACK & FIXTURES FOR RE-USE AT LOCATION TO BE DETERMINED.)
1650 DECOR VENDOR TO INSTALL COLOR SLEEVES ON GUTTER COVE LIGHTING THROUGHOUT. CENTER FROM ORDER COUNTER IN SEQUENCE BOTH WAYS AS FOLLOWS: 16" YELLOW, 18" RED, 12" BLUE AND 12" GREEN.
1654 SUPPLY AND INSTALL NEW 'D' FIXTURES AS INDICATED.
1660 FURNISH AND INSTALL NEW 2' X 4' LAY-IN FIXTURE AS SCHEDULED.
1660 RELAMP EXISTING TRACKS IN SKILLS & KIDIE WITH 'K' FIXTURES.
ALT. 1691 PROVIDE OUTLET THROUGH CEILING FOR NEW 'STUDIO C' SPYCAM'S

01 REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"



- GENERAL NOTES**
- NO FIXTURES, GRILLES, SPEAKERS, SPRINKLER HEADS, ETC. SHALL TOUCH THE CEILING 'S' OR SHADOW LINE. CENTER IN PANEL.
 - SPEAKERS AND WIRE PROVIDED BY OWNER INSTALLED BY G.C.
 - ALL SPEAKER WIRE SHALL HOME RUN TO PLATFORM FROM 3 ZONES.
 - PAINT ALL GRILLES AND SPEAKERS TO MATCH CEILING GRID.



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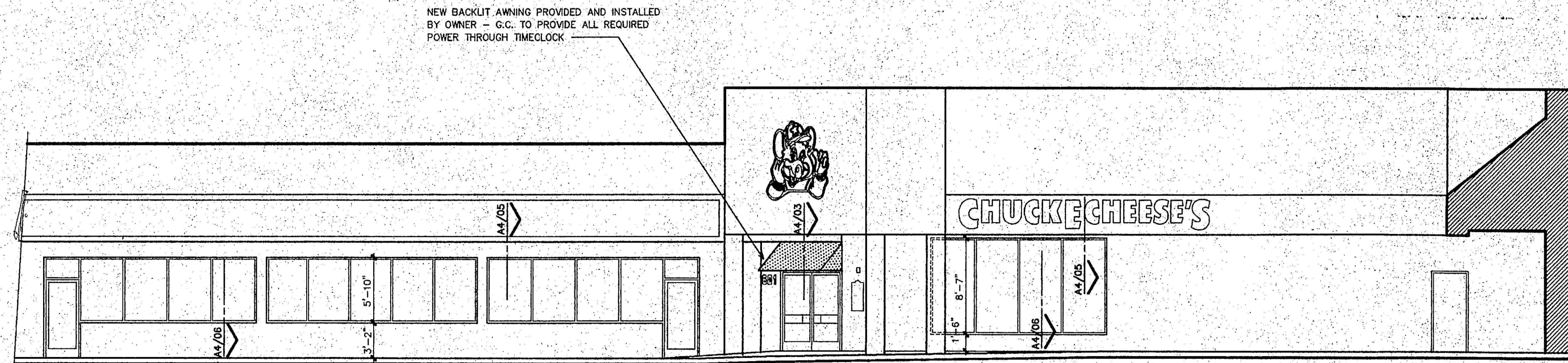
REFLECTED CEILING PLAN

Date: 06/26/98

Revisions:

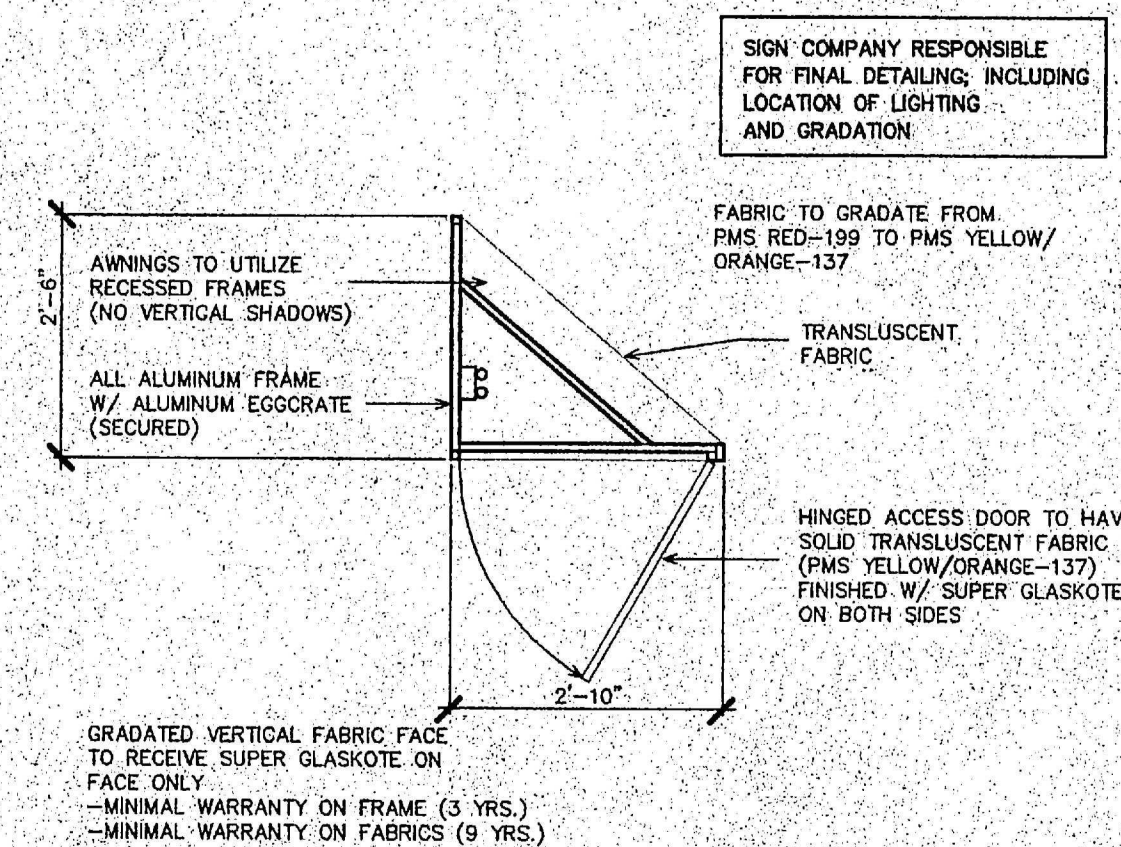
Project Number: 97-035

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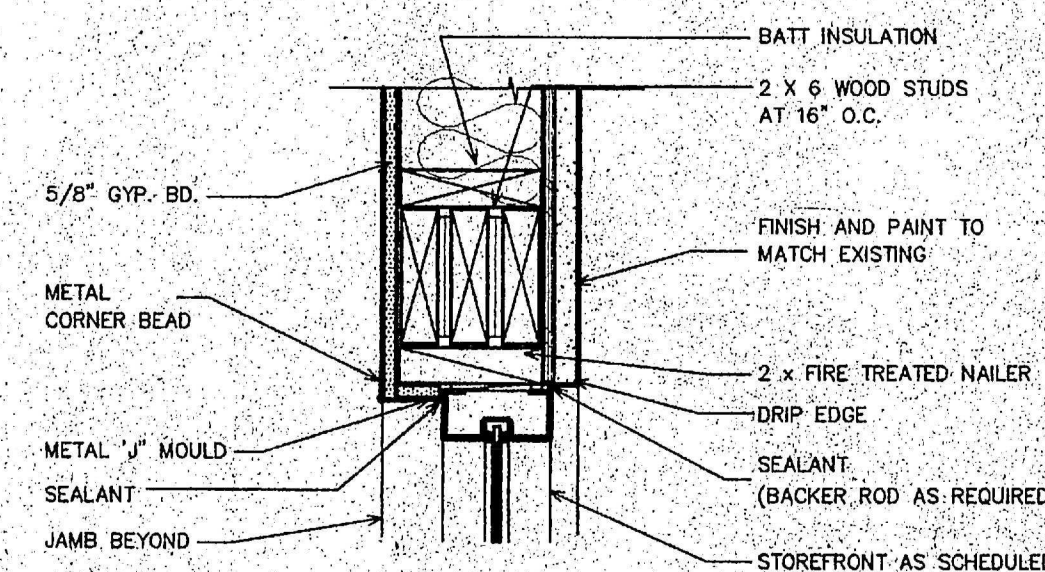
01 FRONT ELEVATION

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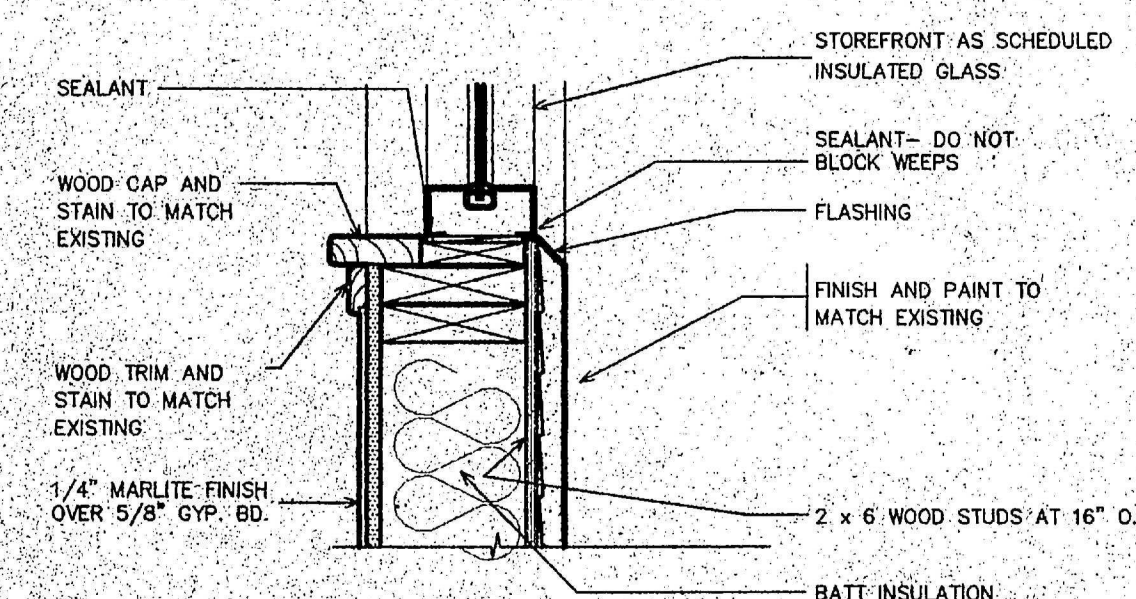
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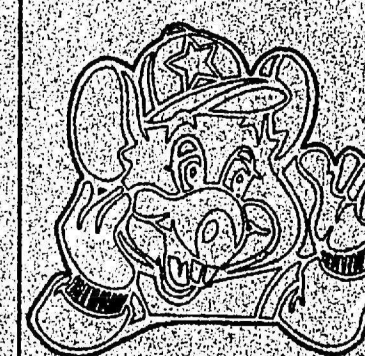
05 HEAD AT WINDOW

SCALE: 1 1/2" = 1'-0"

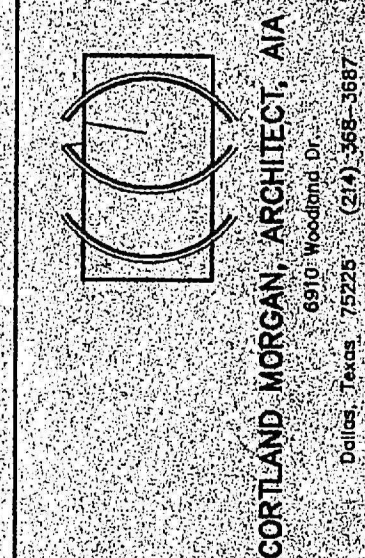


06 SILL AT WINDOW

SCALE: 1 1/2" = 1'-0"



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 SHOWBIZ PIZZA TIME, INC.
 4441 WEST AIRPORT FREEWAY
 IRVING, TEXAS 76062

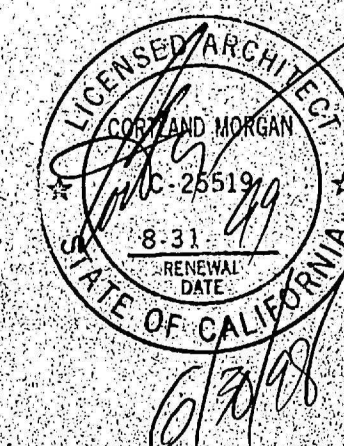
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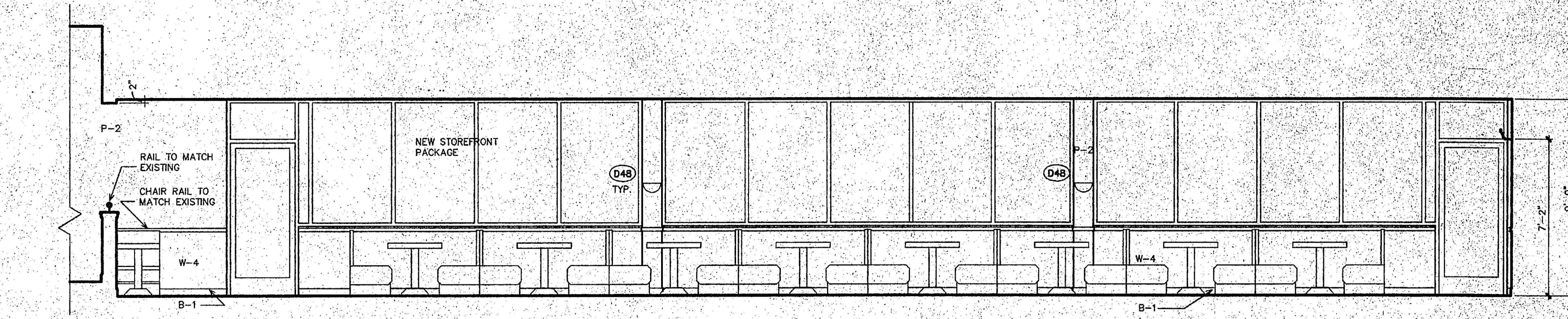
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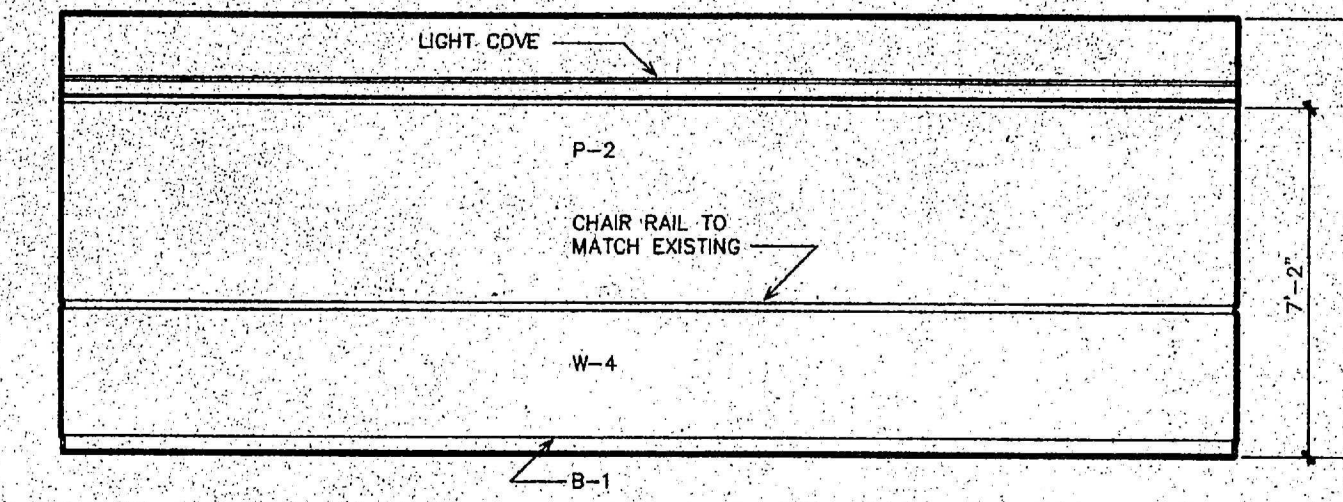
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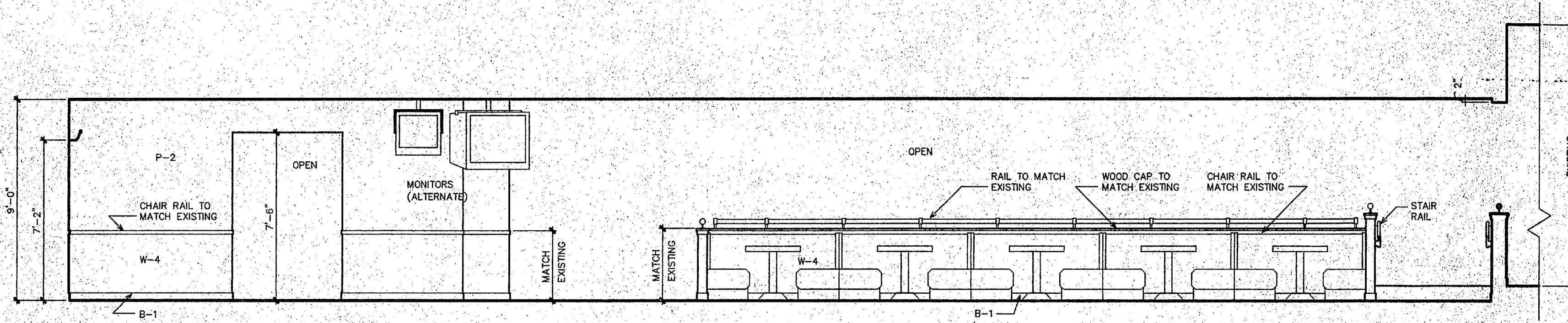




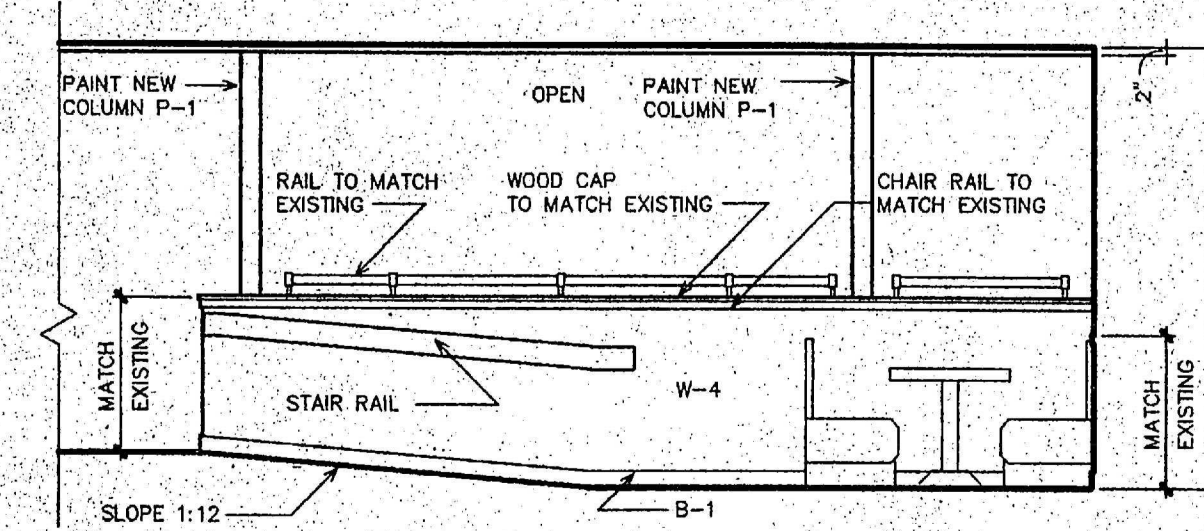
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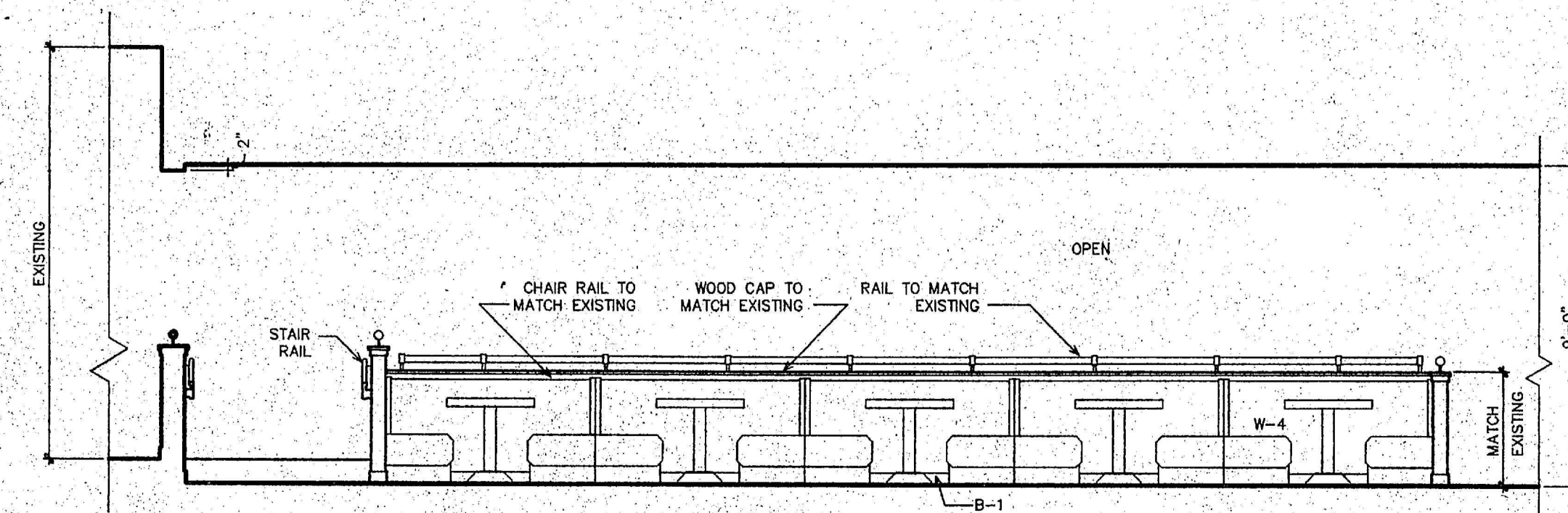
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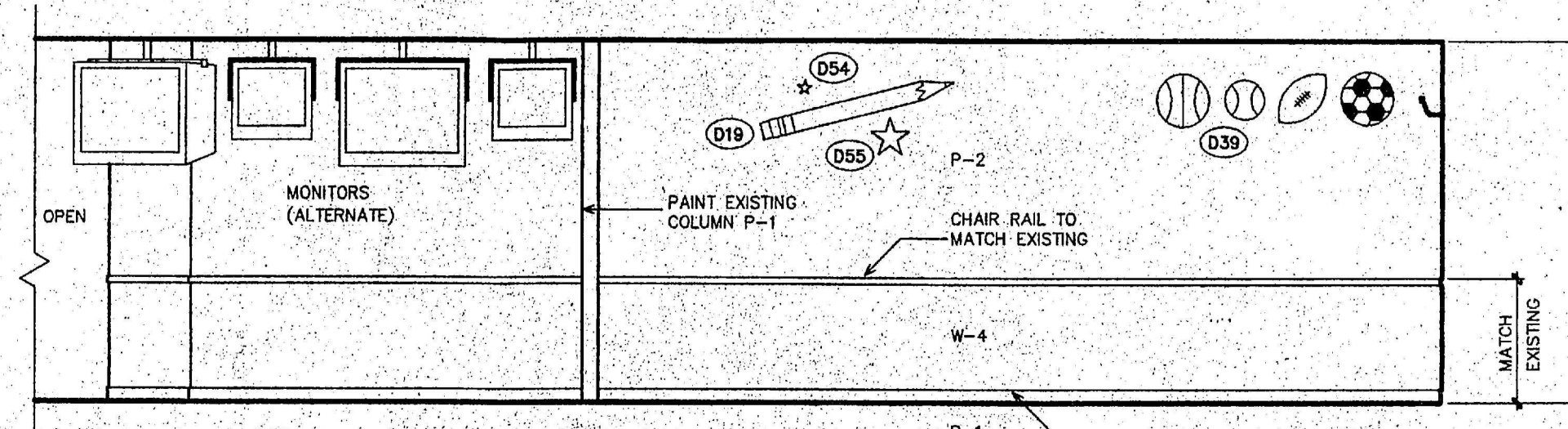
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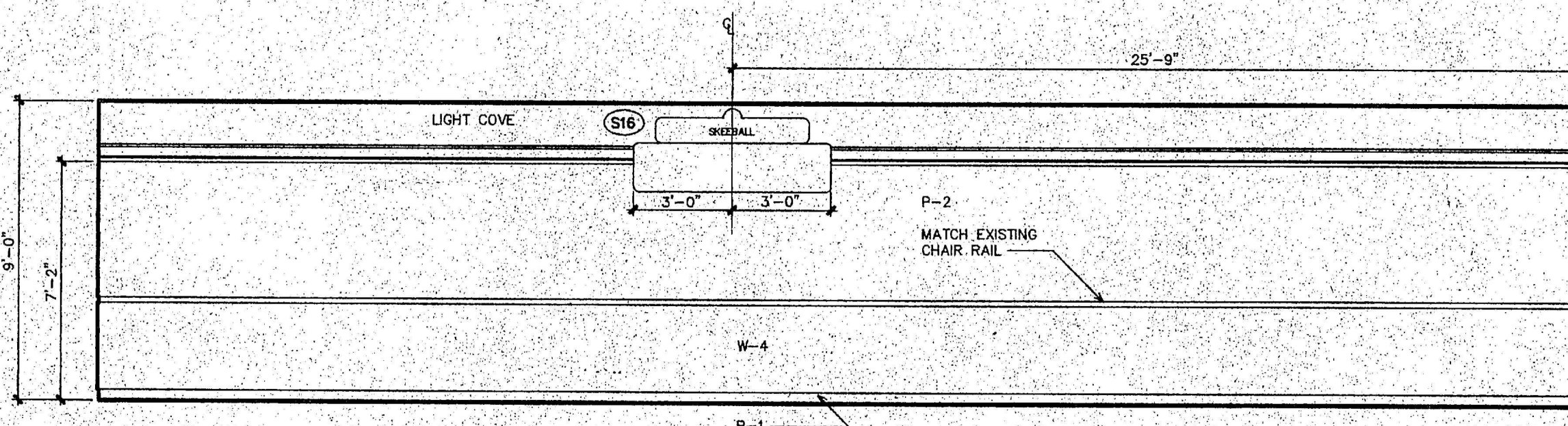
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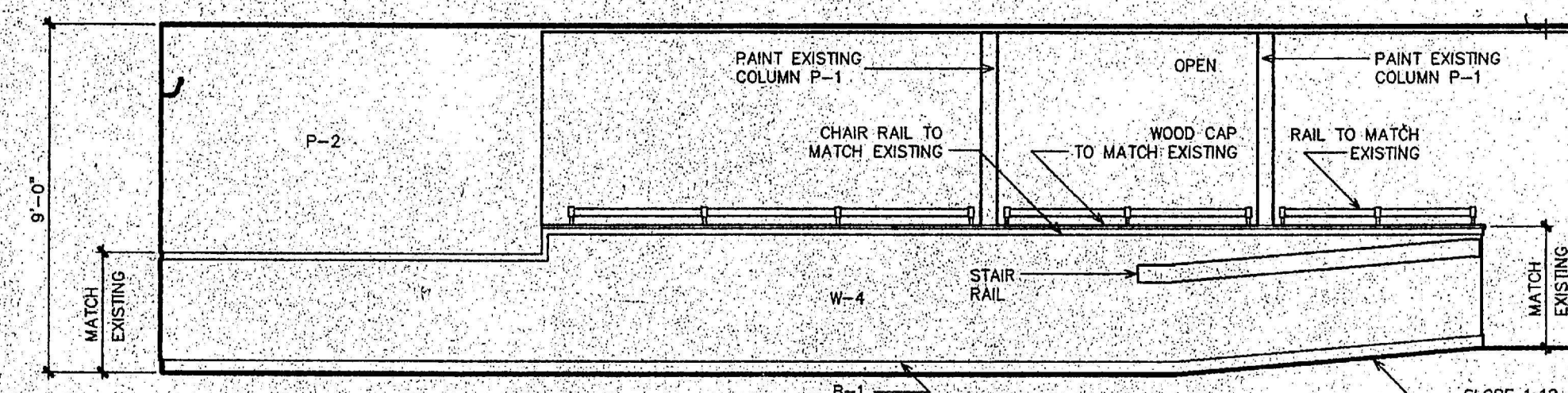
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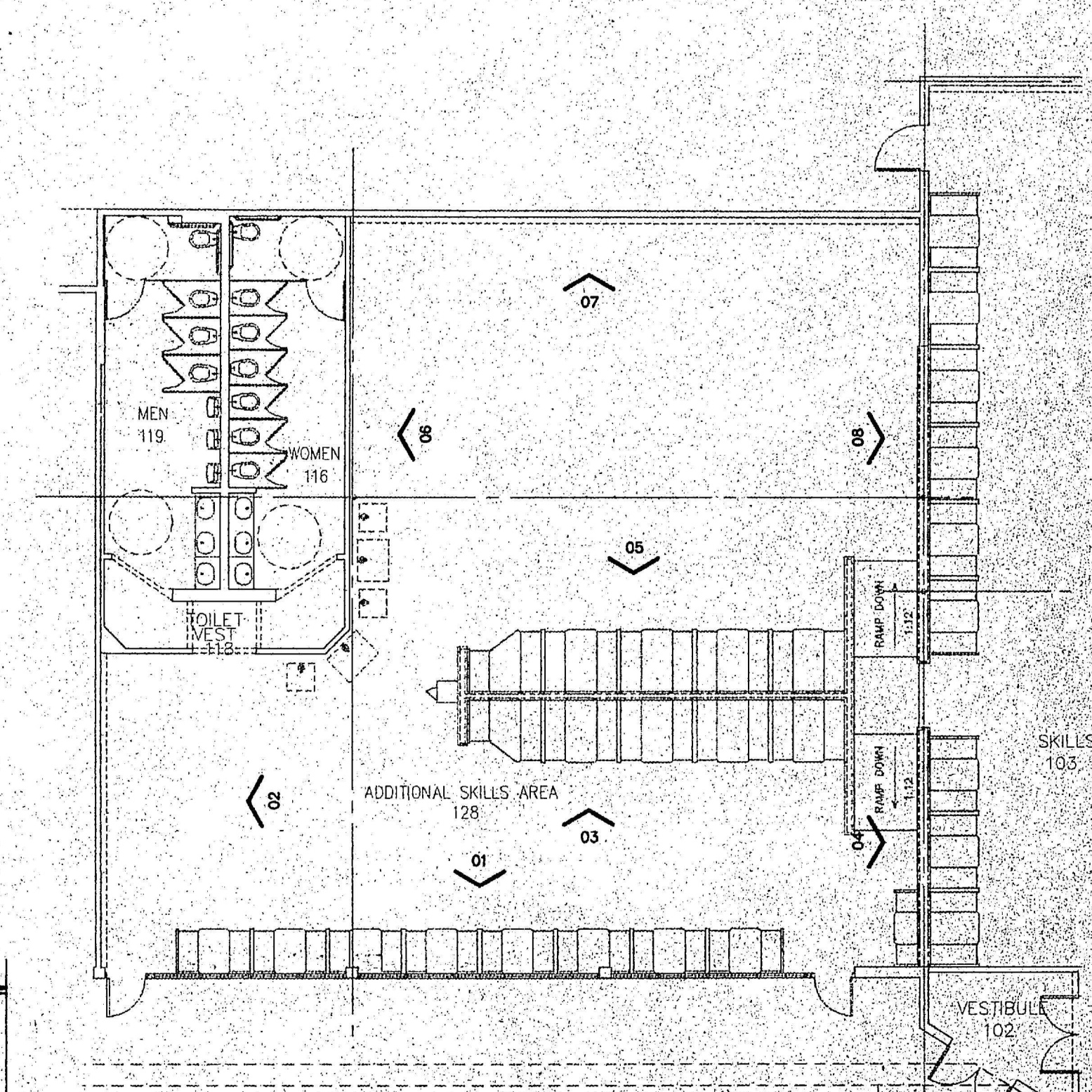
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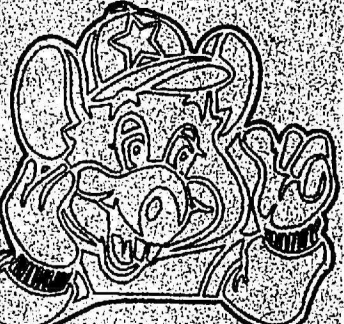
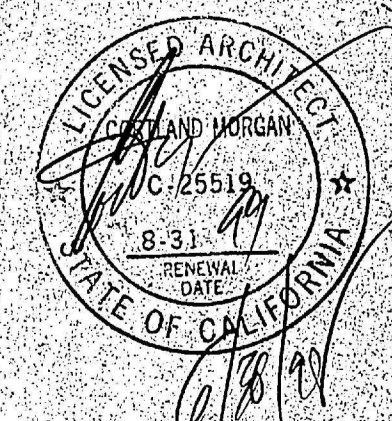
07 ADDITIONAL SKILLS AREA
SCALE: 1/4" = 1'-0"



08 ADDITIONAL SKILLS AREA
SCALE: 1/4" = 1'-0"



09 KEY PLAN
N.T.S.



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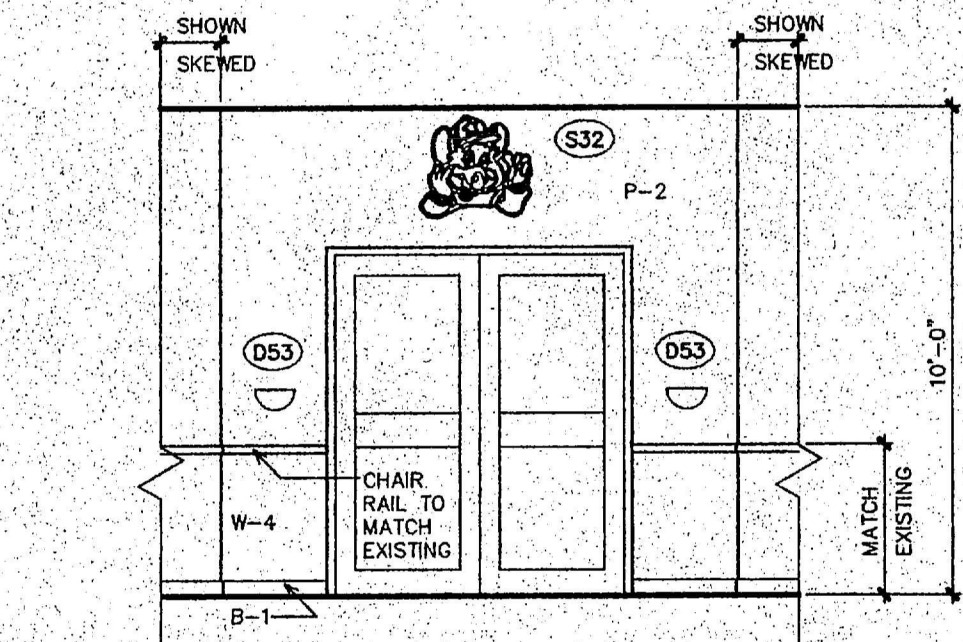
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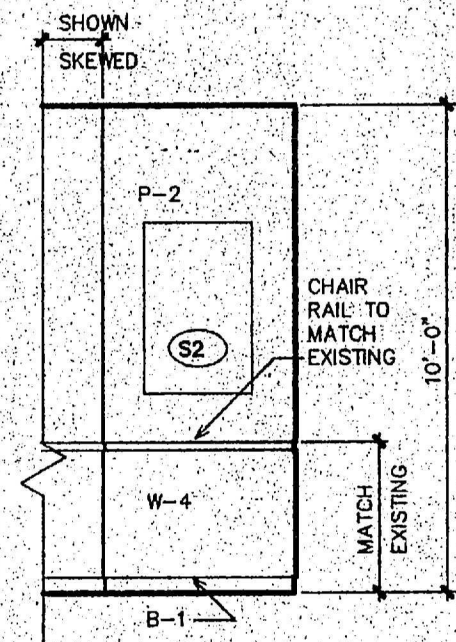
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IRVING, TEXAS 76062

Date: **06/26/98**
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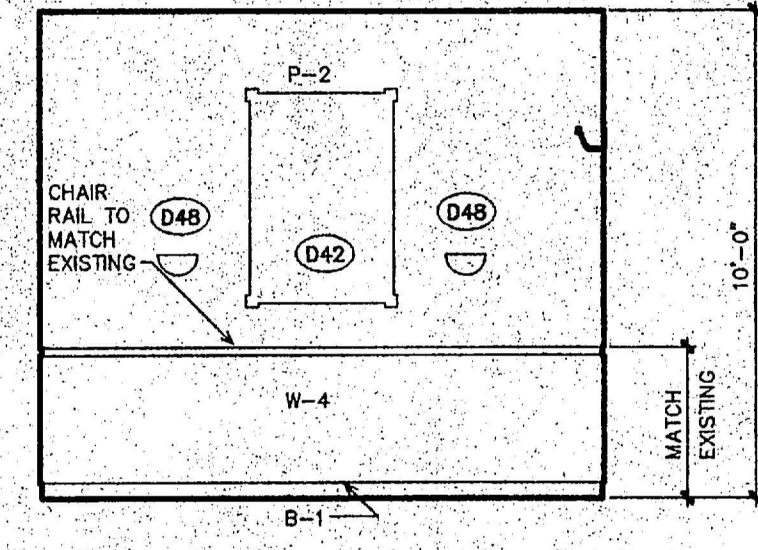
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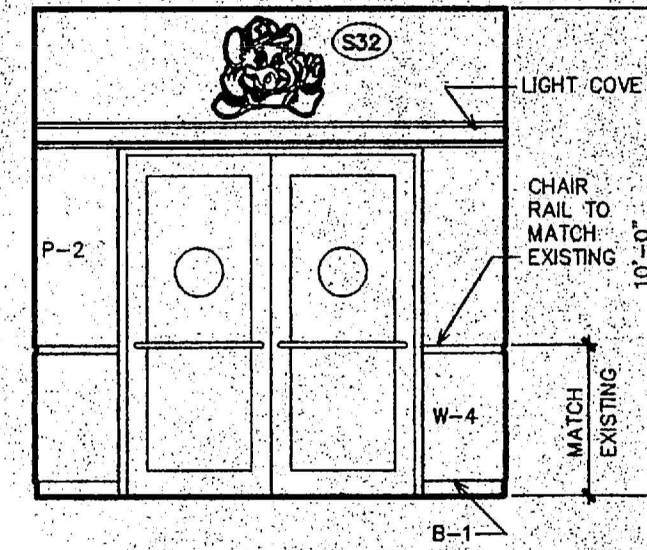
01 ENTRY VEST
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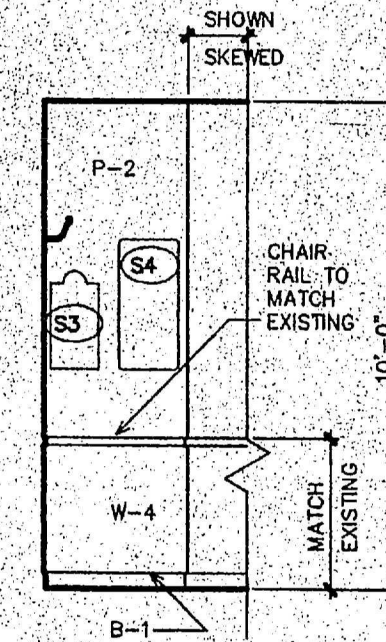
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SCALE: 1/4" = 1'-0"



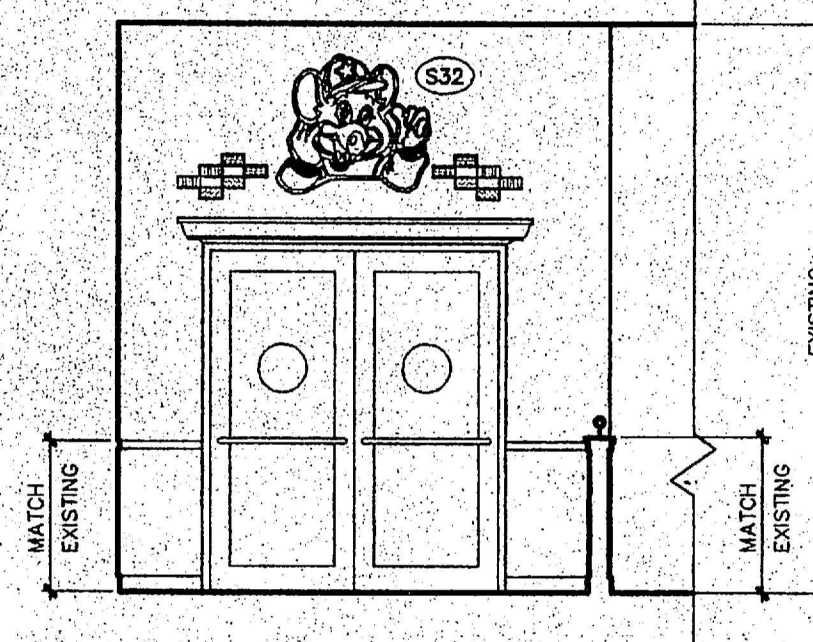
03 ENTRY VEST
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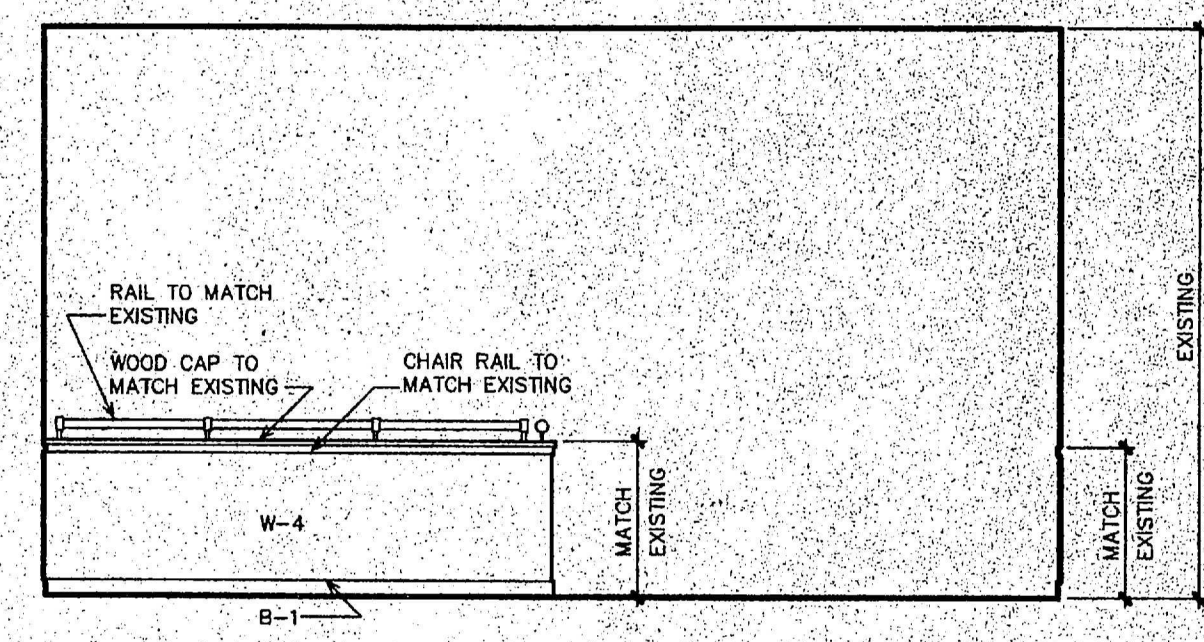
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SCALE: 1/4" = 1'-0"



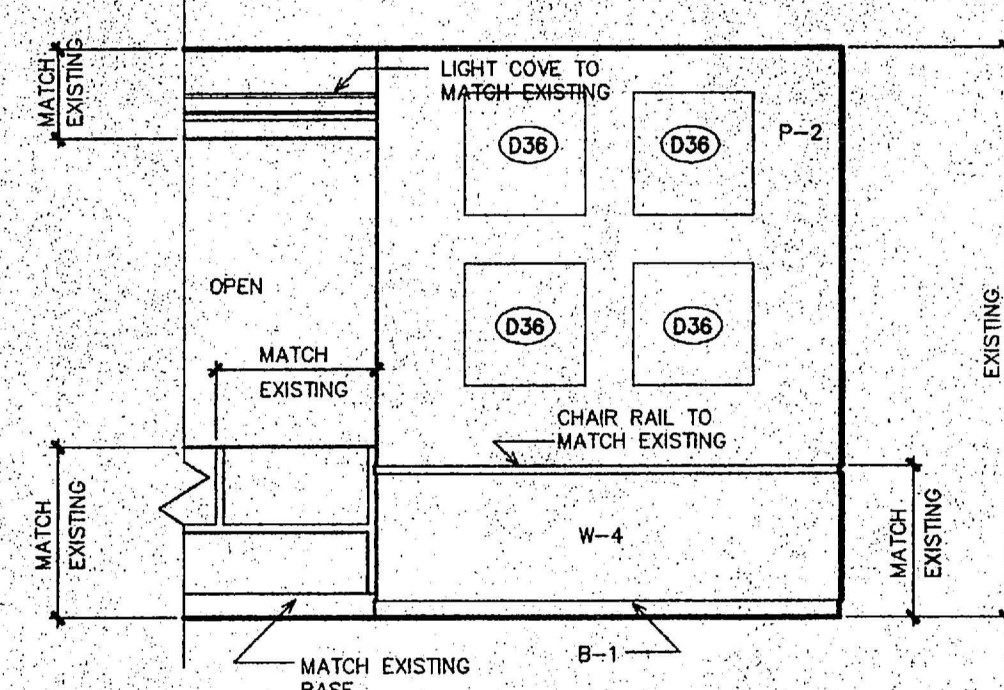
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SCALE: 1/4" = 1'-0"



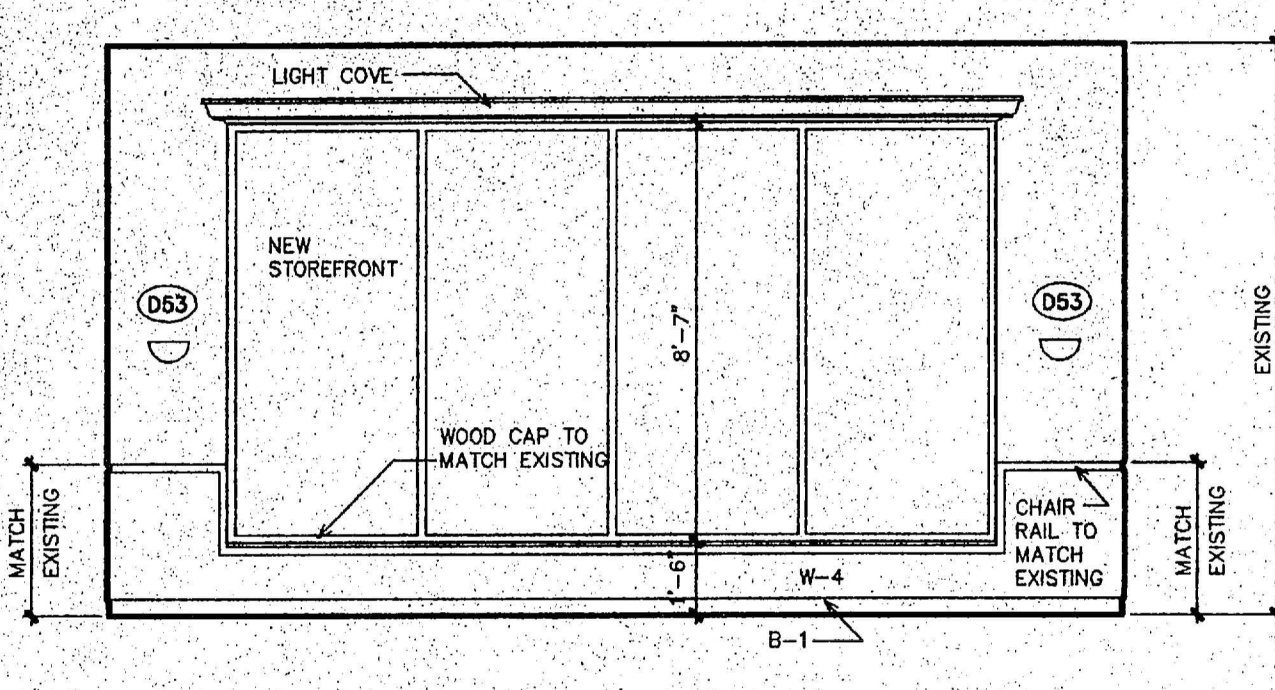
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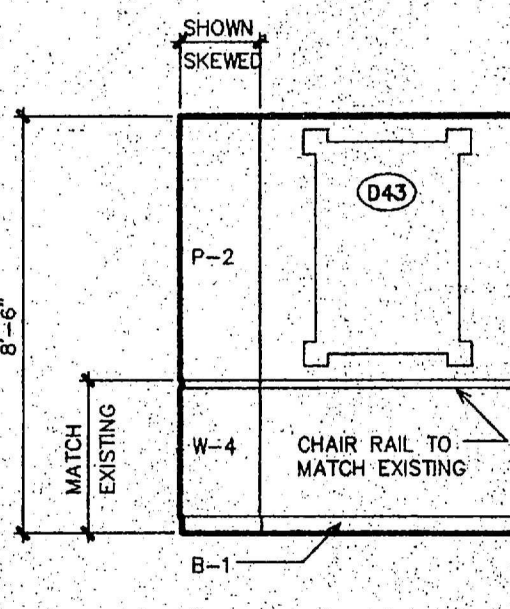
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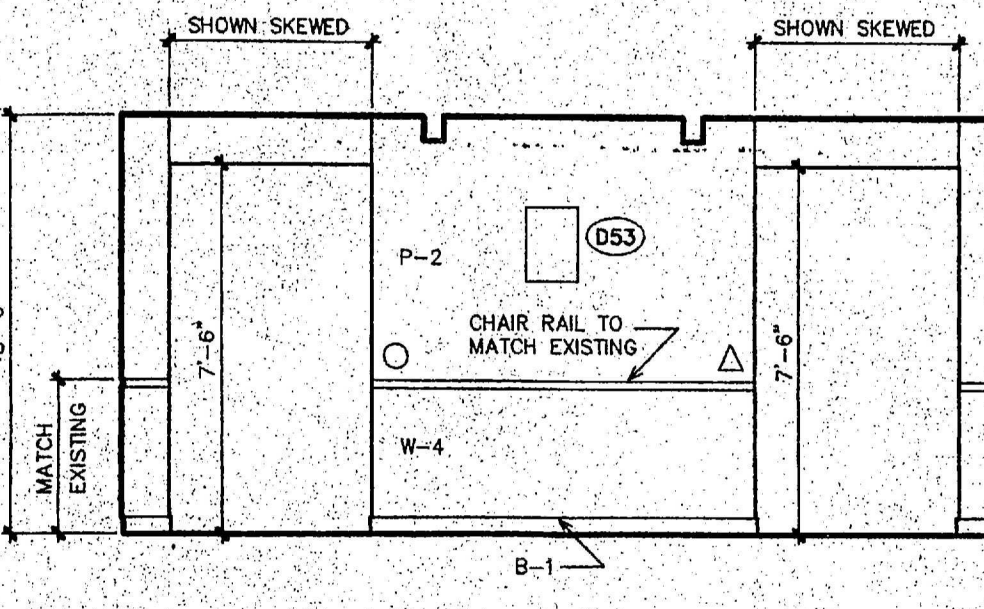
08 ENTRY
SCALE: 1/4" = 1'-0"



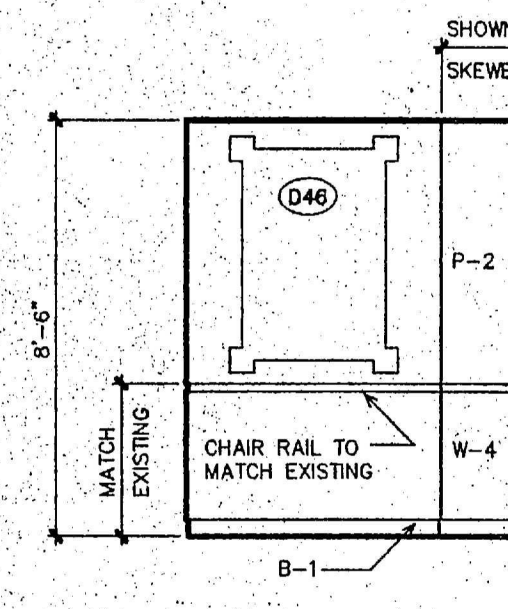
09 ENTRY
SCALE: 1/4" = 1'-0"



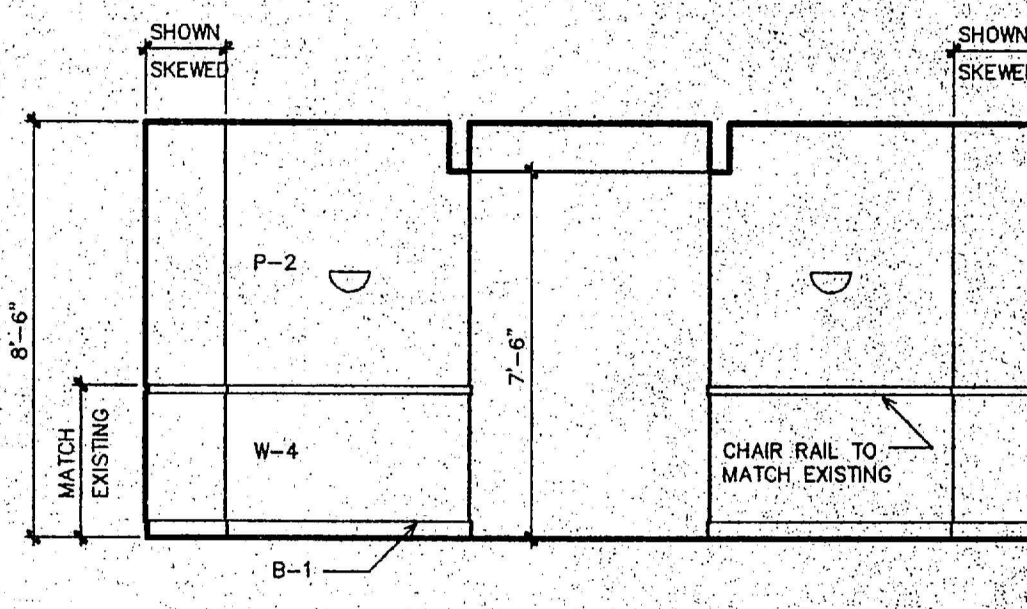
10 TOILET VEST
SCALE: 1/4" = 1'-0"



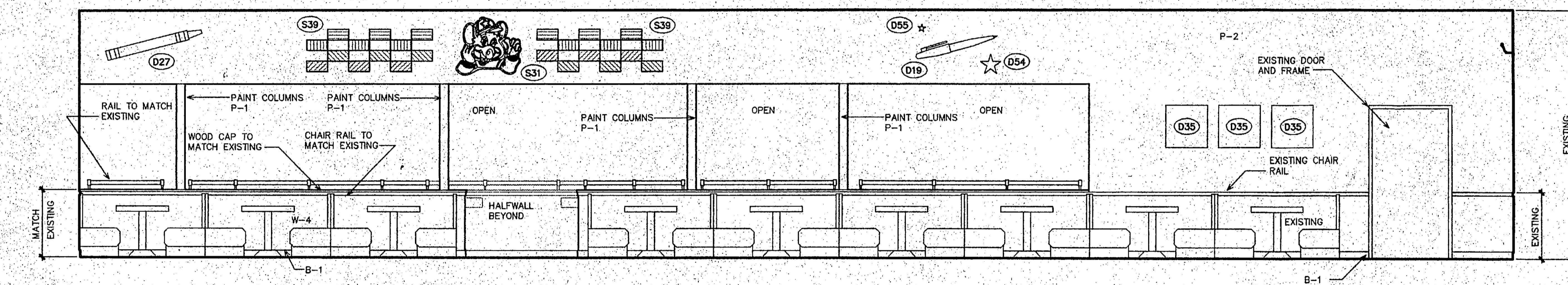
11 TOILET VEST
SCALE: 1/4" = 1'-0"



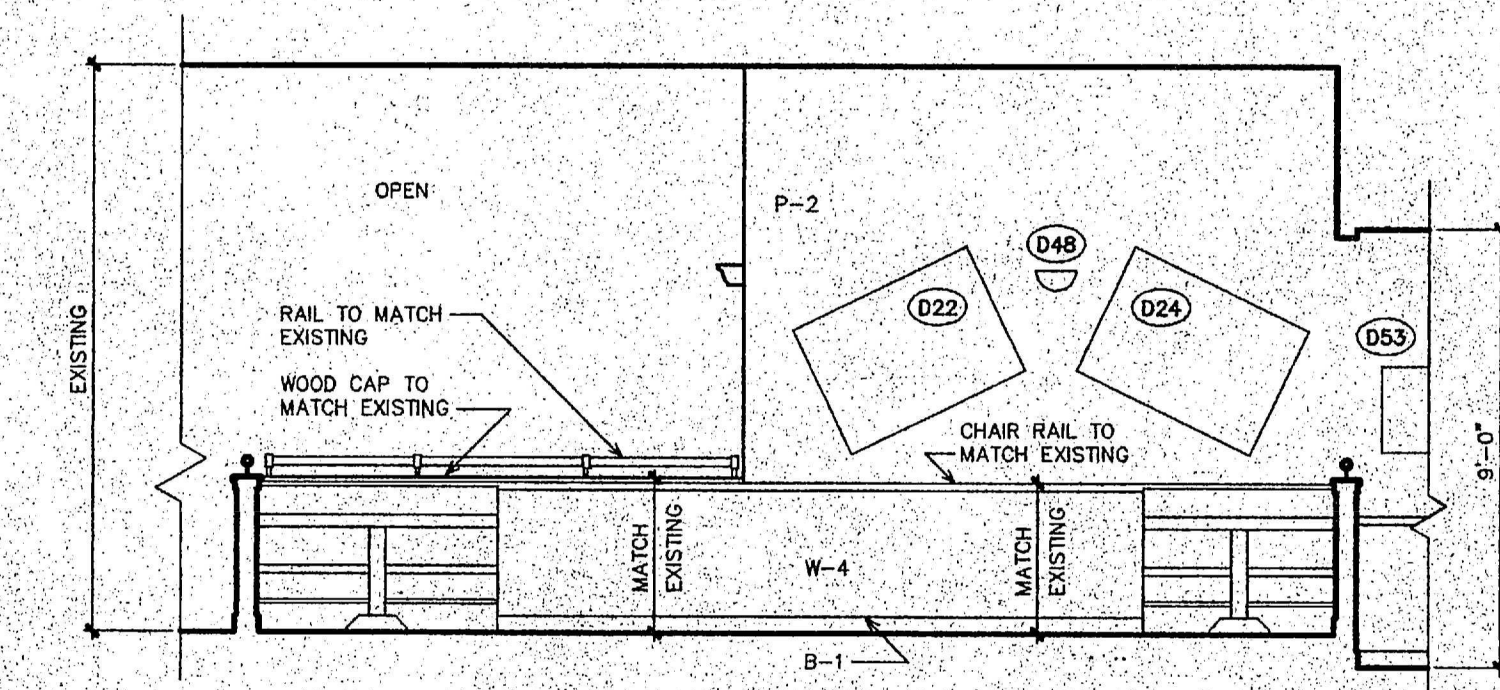
12 TOILET VEST
SCALE: 1/4" = 1'-0"



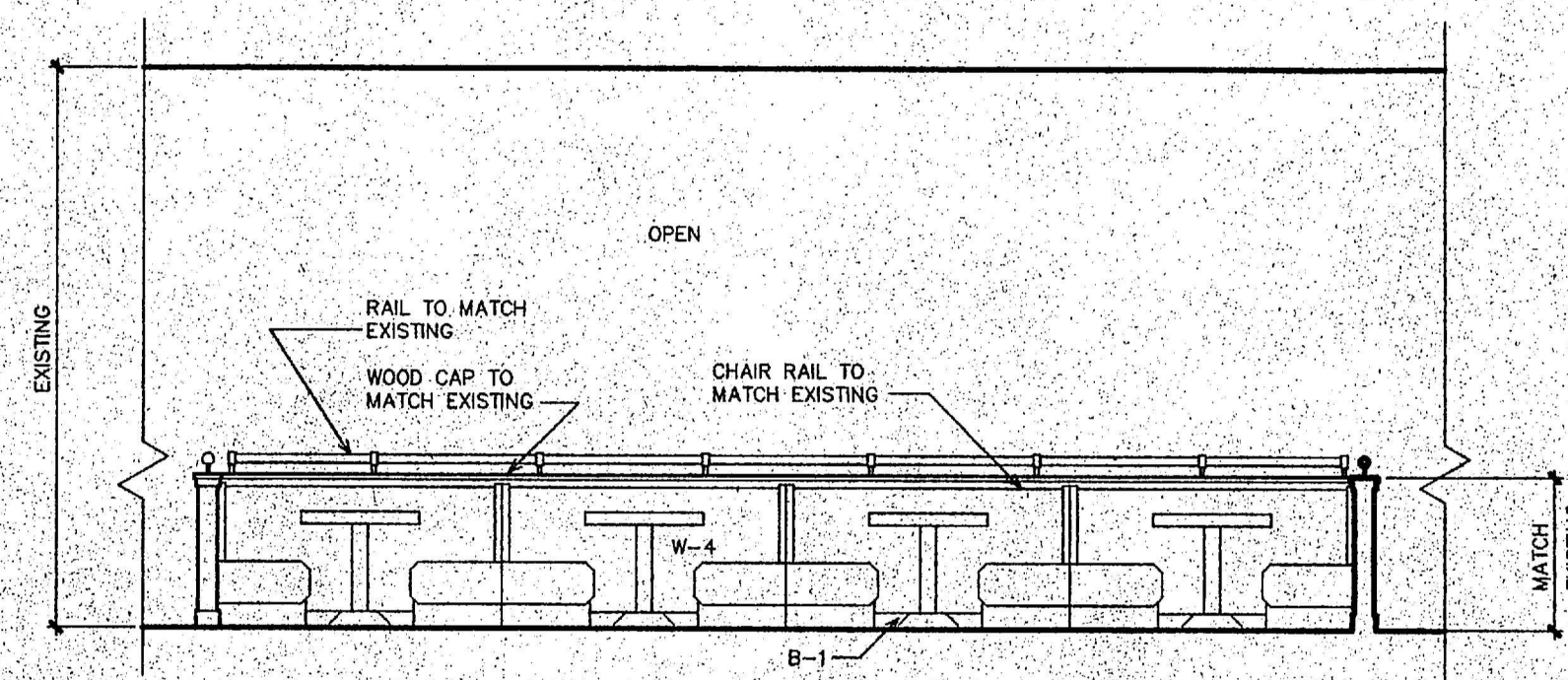
13 TOILET VEST
SCALE: 1/4" = 1'-0"



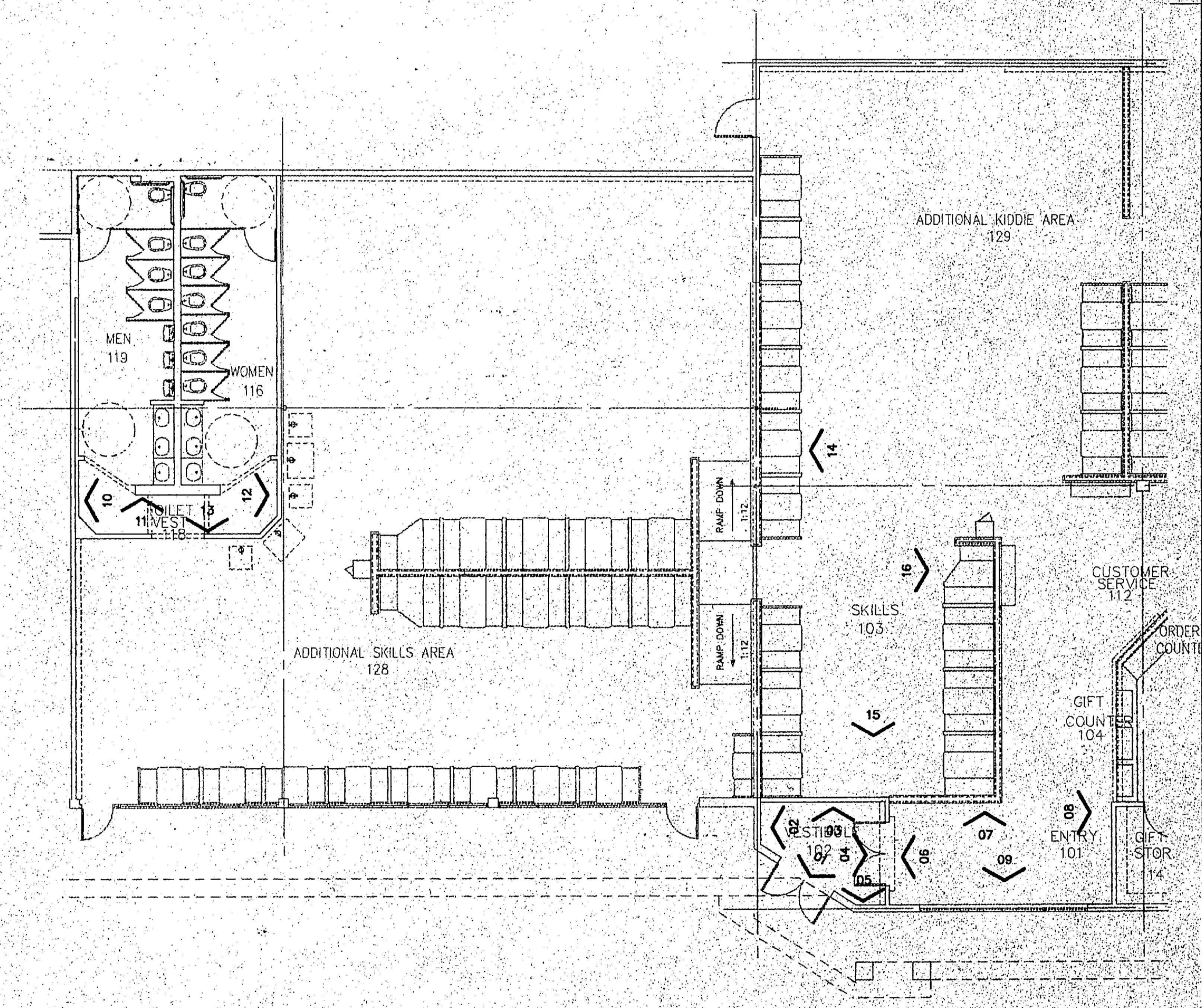
14 SKILLS/ADDITIONAL KIDDIE
SCALE: 1/4" = 1'-0"



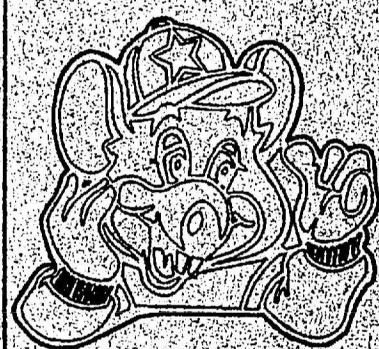
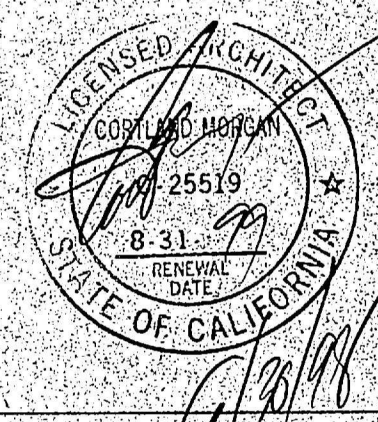
15 SKILLS
SCALE: 1/4" = 1'-0"



16 SKILLS
SCALE: 1/4" = 1'-0"



17 KEY PLAN
N.T.S.



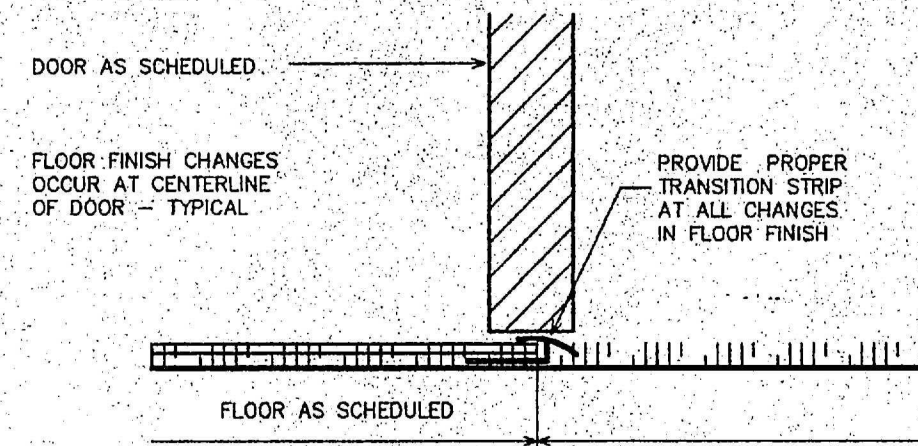
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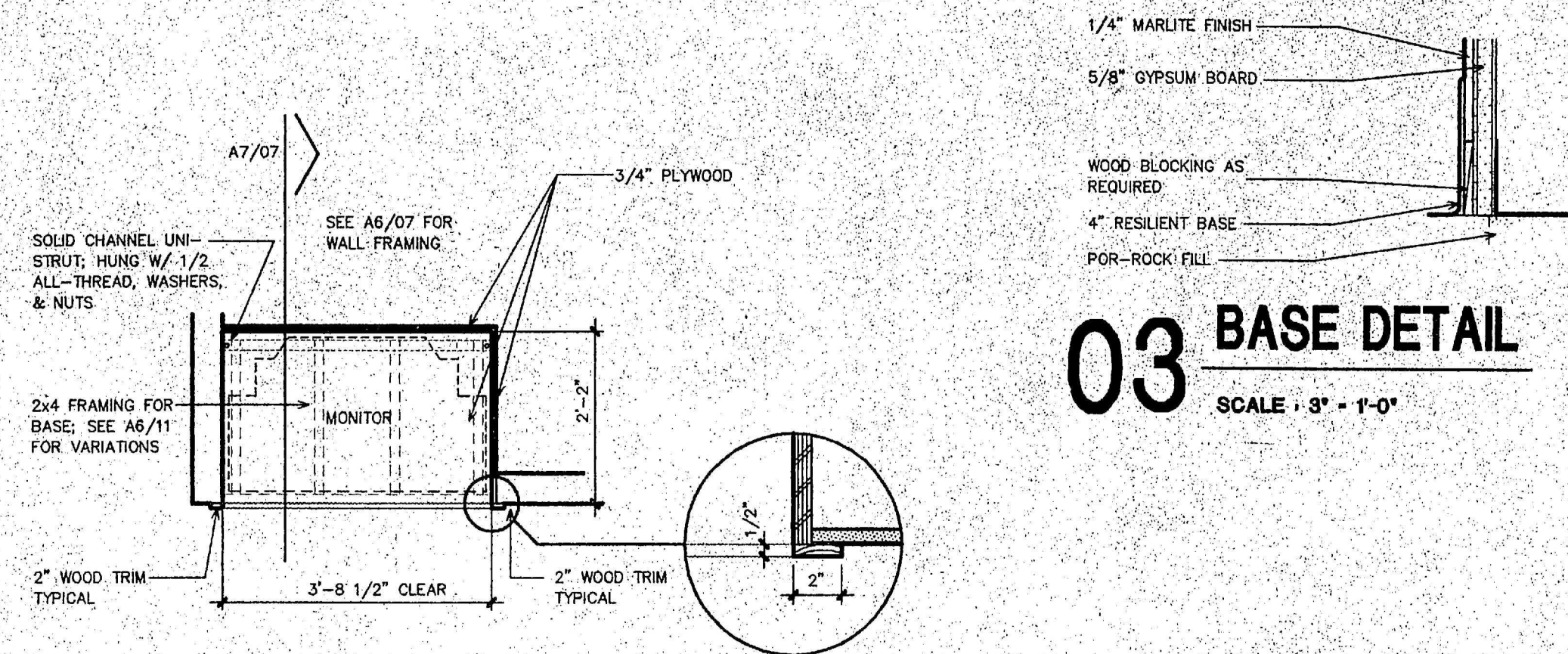
B&W
BURSON AND WILLIAMS
PROJECT ADMINISTRATOR

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601 AZUSA AVENUE - COVINA, CA - 91722
SHOWBIZ PIZZA THE, INC.
4441 WEST AIRPORT FREEWAY
IRVING, TEXAS 75062

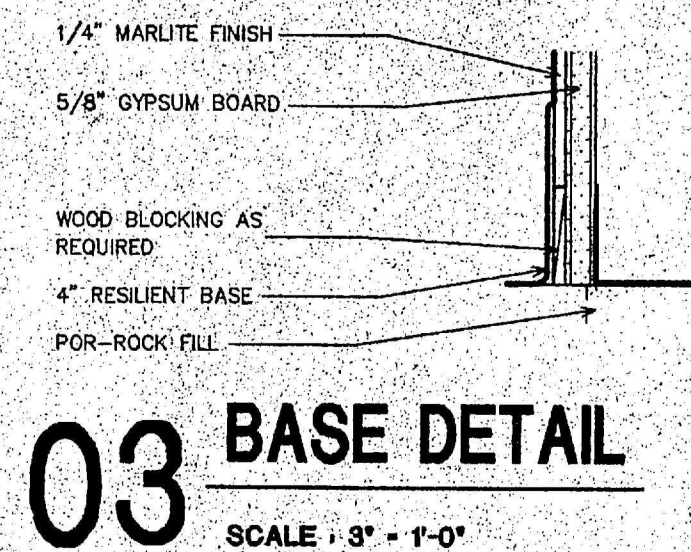
Date	06/26/98
Revisions	
Project Number	97-03S
Sheet Number	A6
of	9



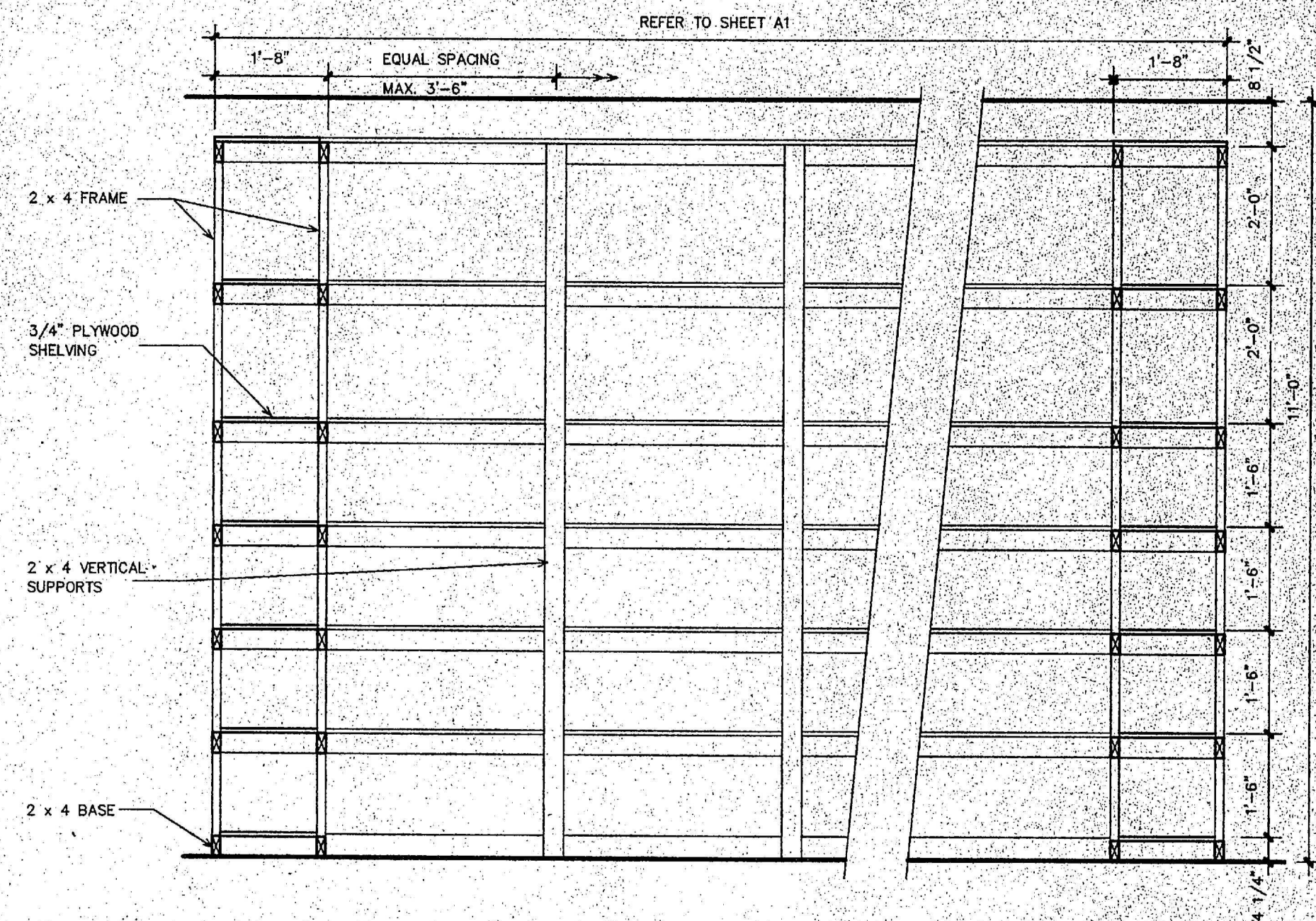
01 INTERIOR DOOR SILL
SCALE: 3" = 1'-0"



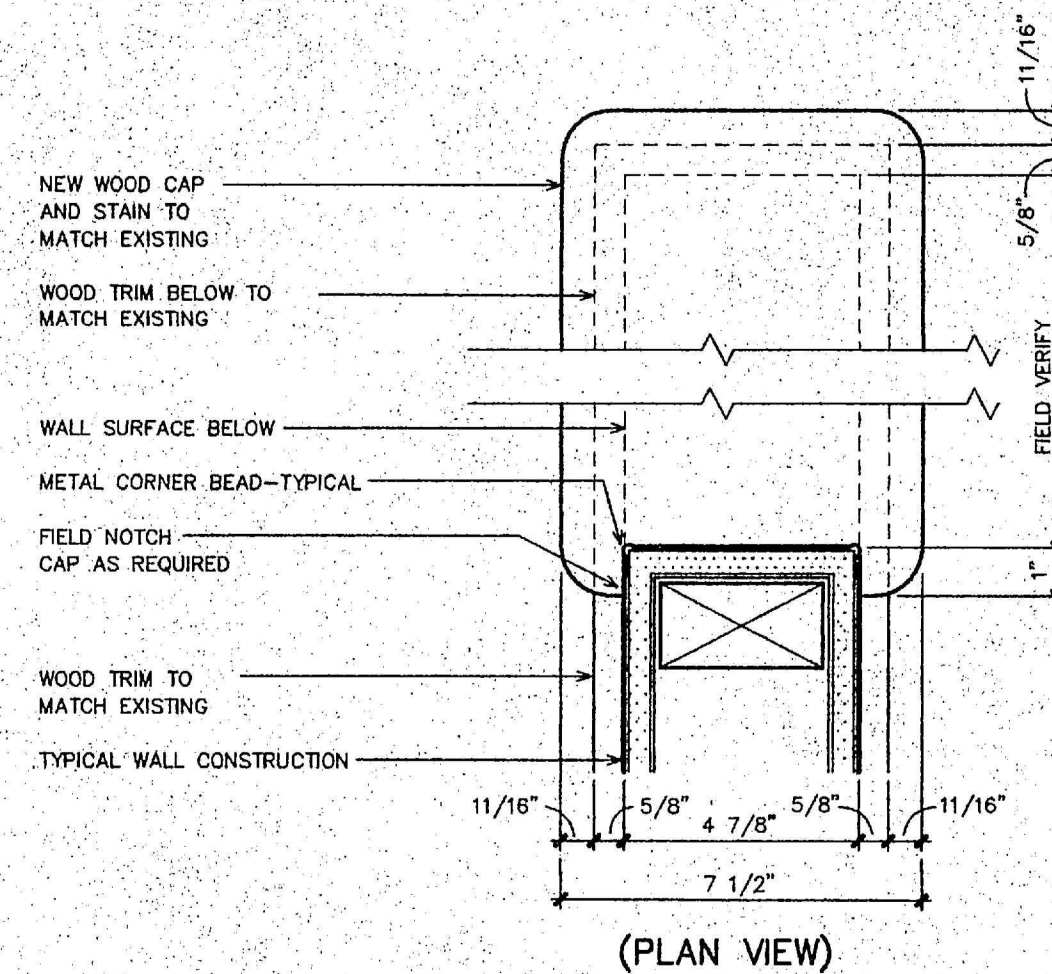
02 SHOWROOM MONITOR PLAN (ALTERNATE)
SCALE: 1/2" = 1'-0"



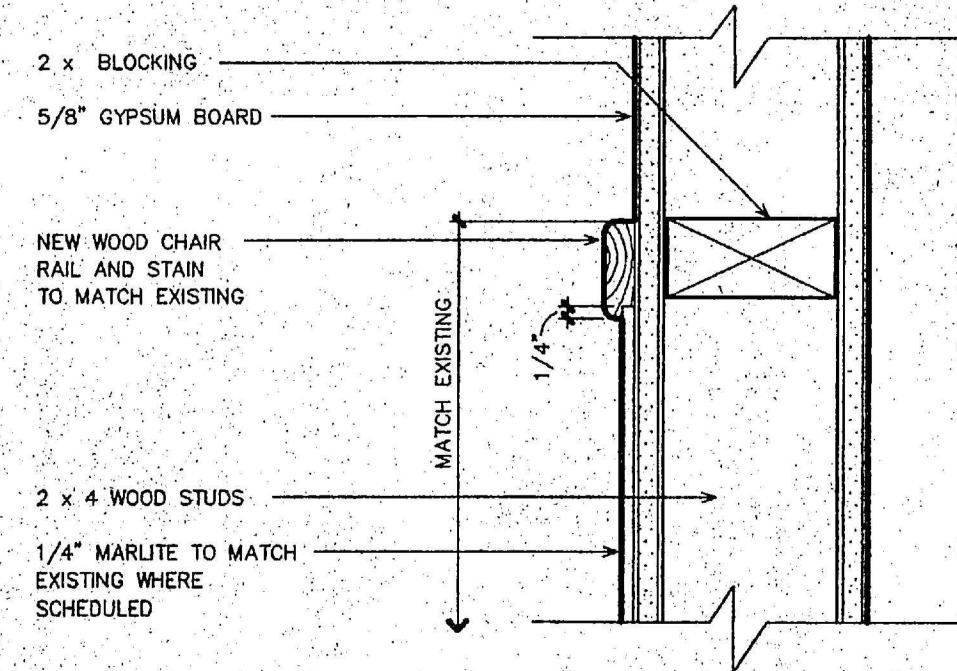
03 BASE DETAIL
SCALE: 3" = 1'-0"



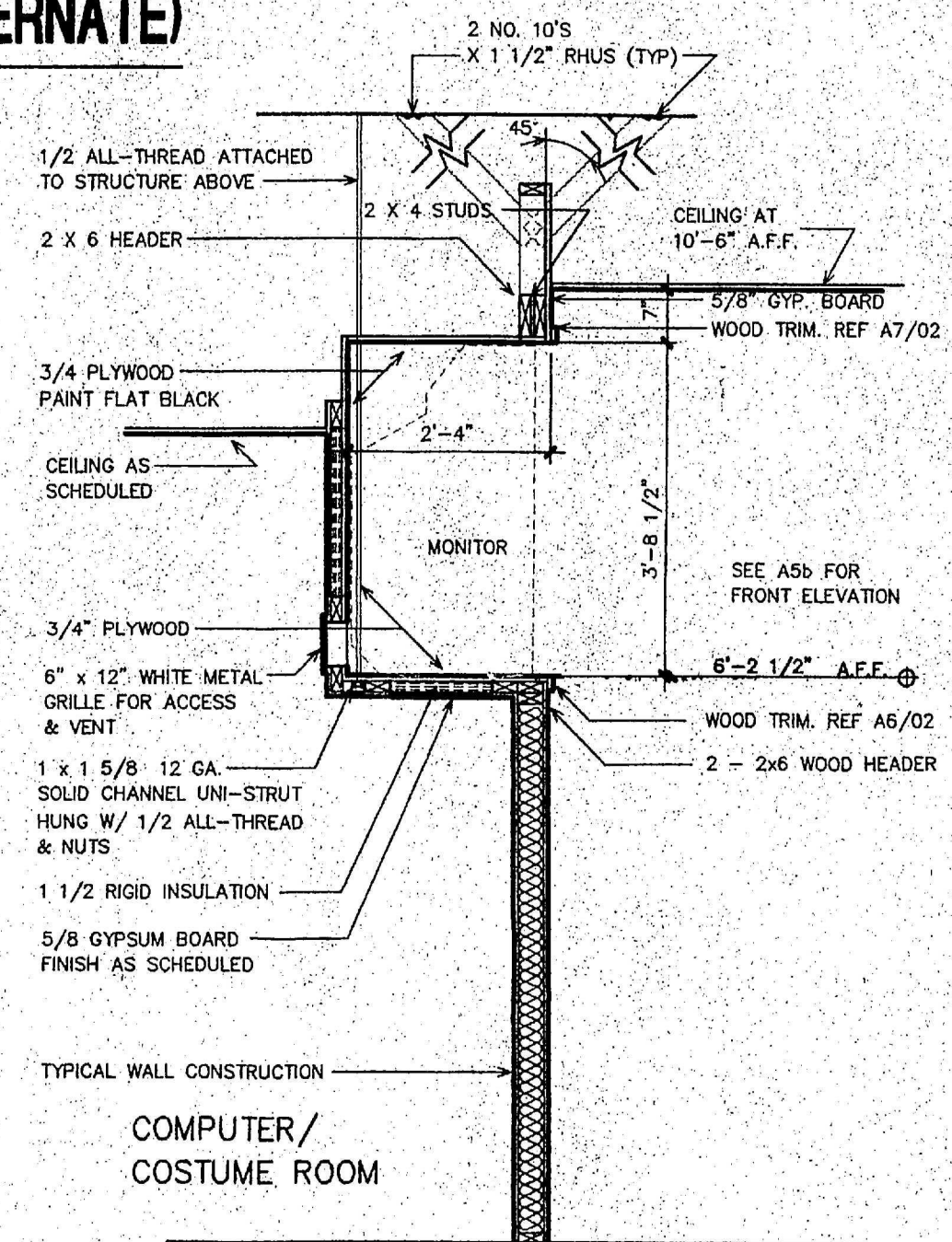
04 GIFT STORAGE SHELVING
SCALE: 1/2" = 1'-0"



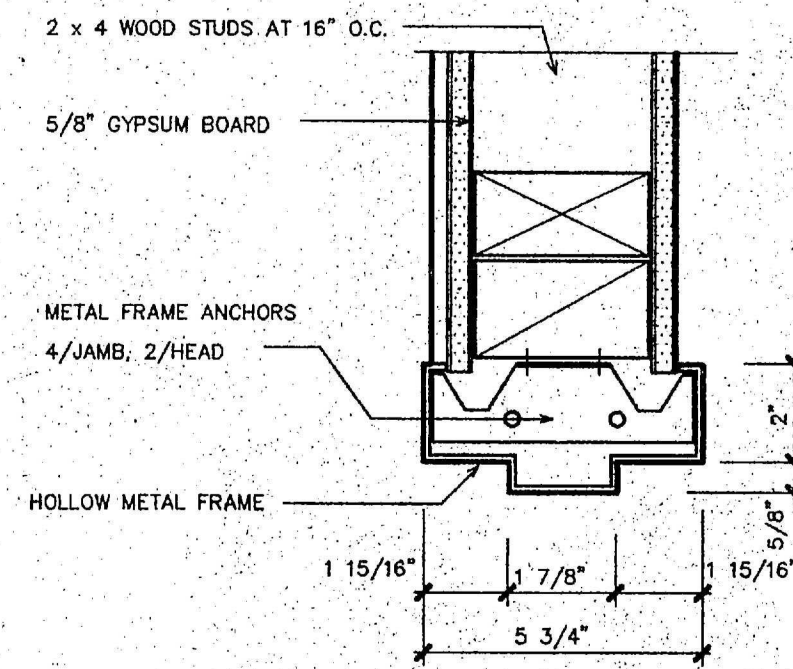
05 CAP @ HALF WALL
SCALE: 3" = 1'-0"



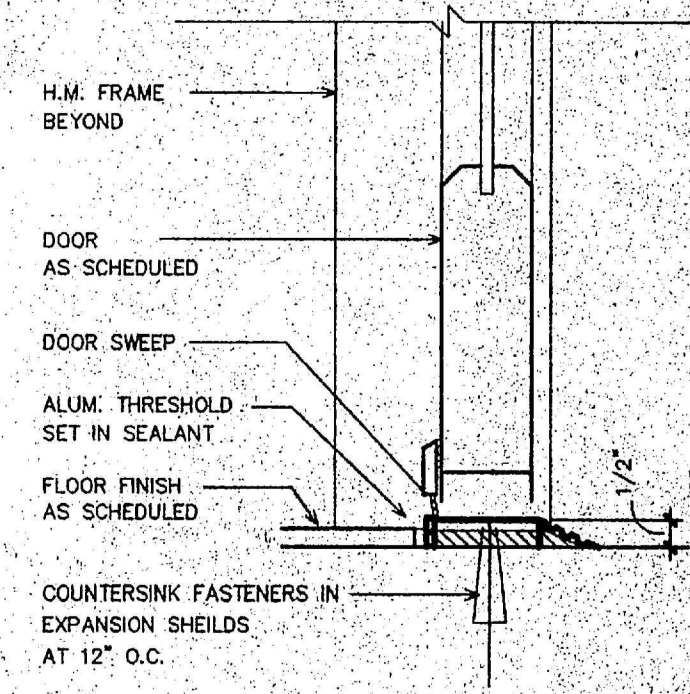
06 CHAIR RAIL
SCALE: 3" = 1'-0"



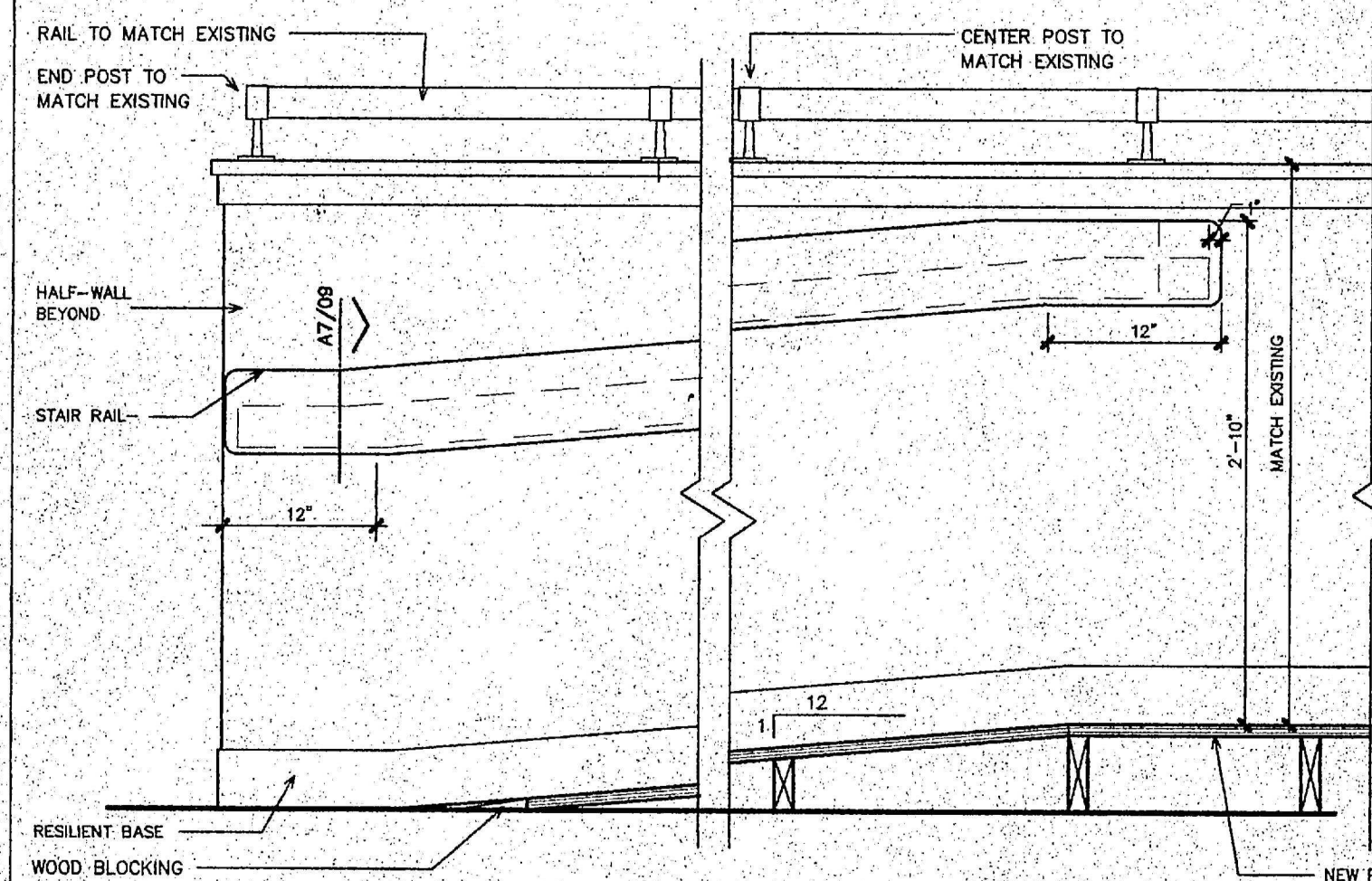
07 SHOWROOM MONITOR SECTION (ALTERNATE)
SCALE: 1/2" = 1'-0"



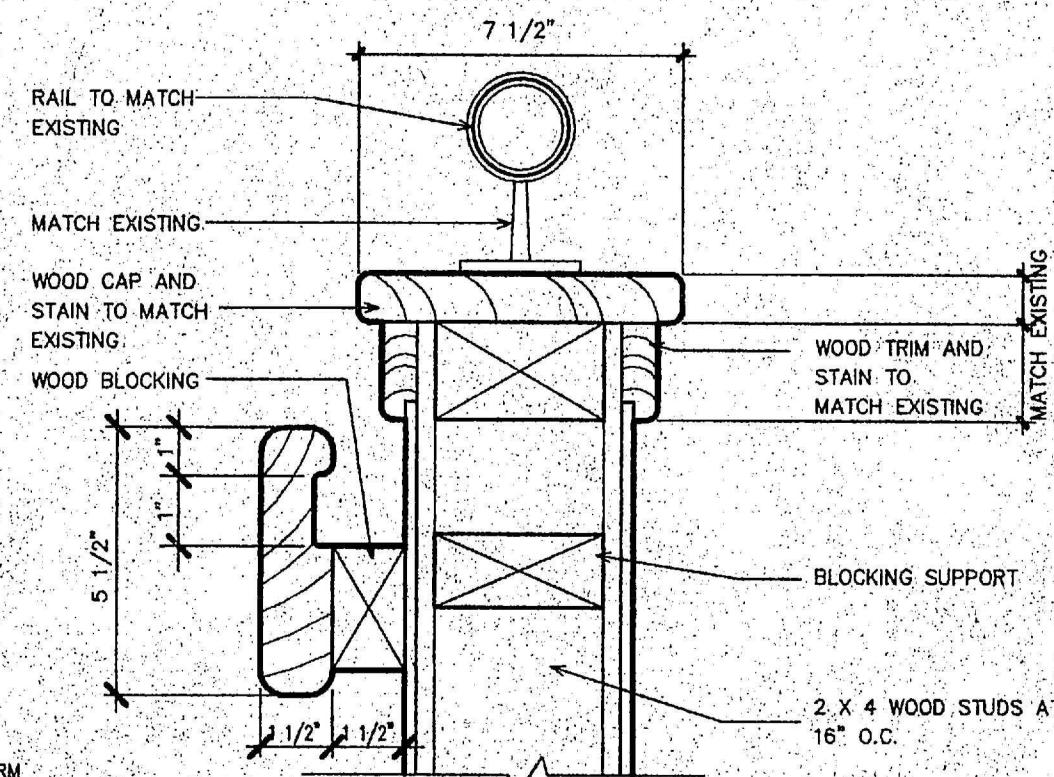
13 TYP. INTERIOR DOOR FRAME
SCALE: 3" = 1'-0"



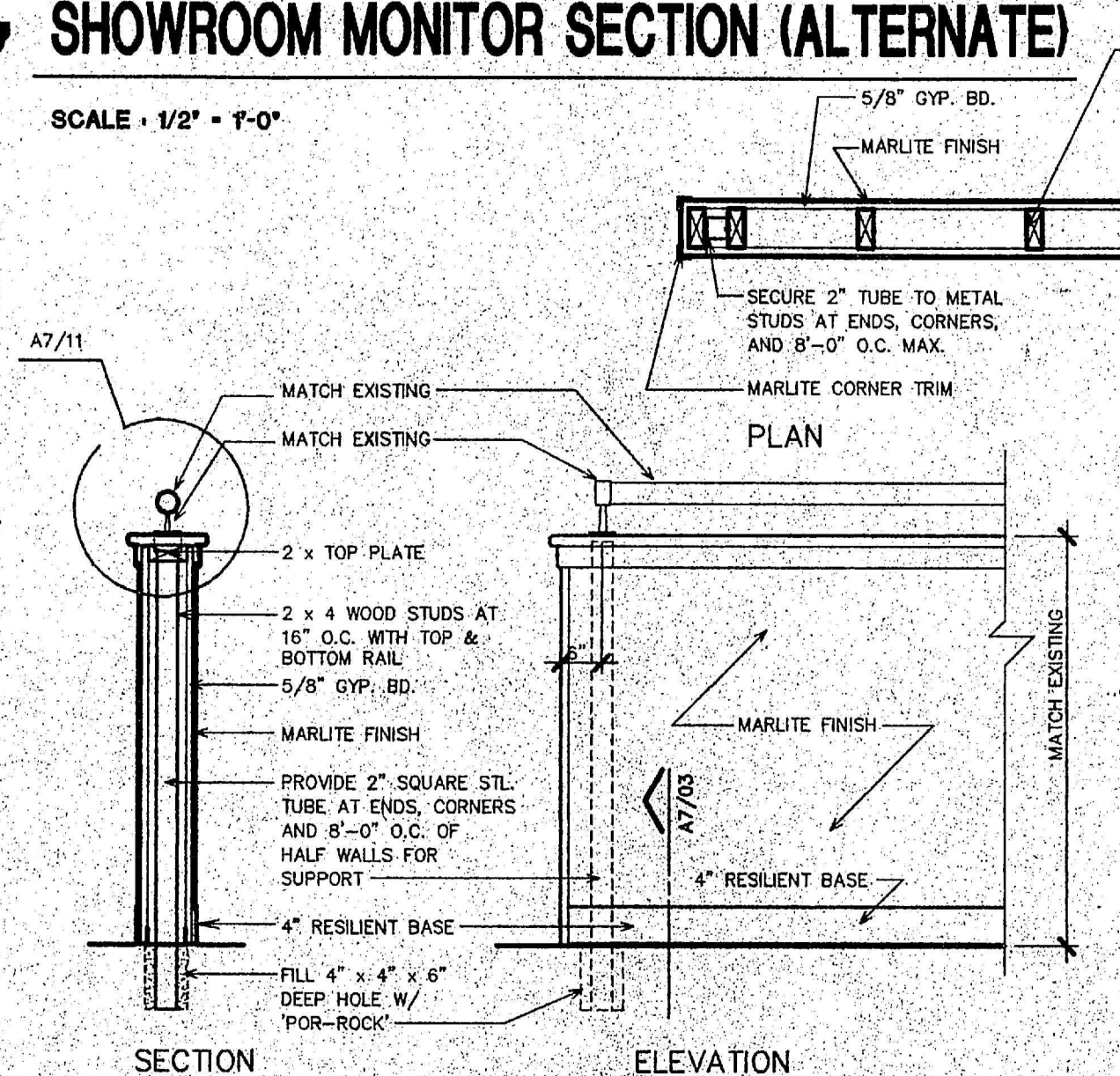
14 THRESHOLD
SCALE: 3" = 1'-0"



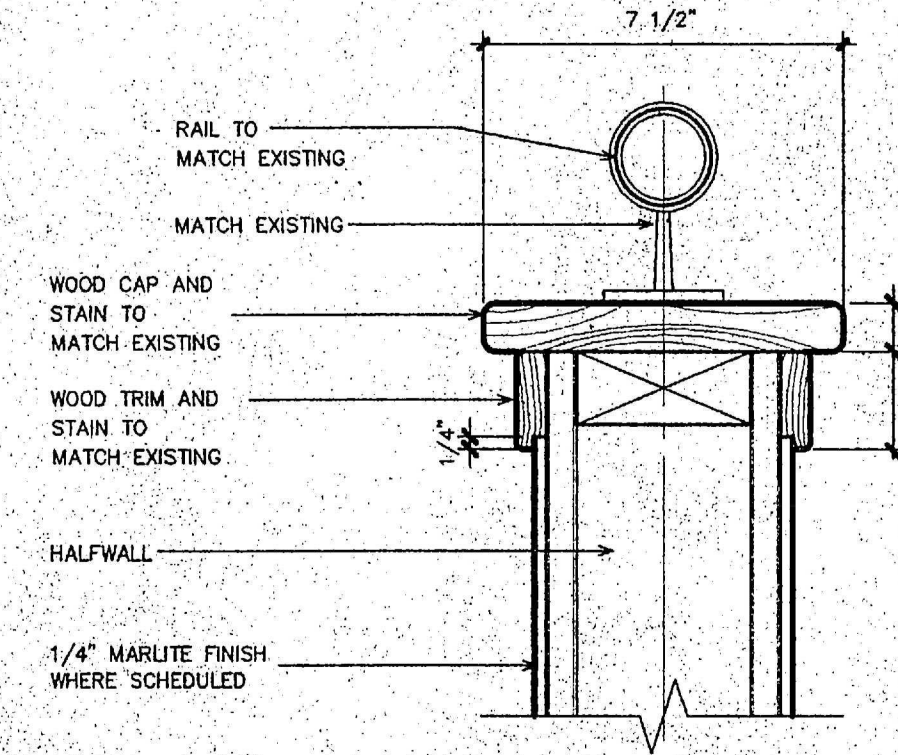
08 RAMP ELEVATION
SCALE: 1" = 1'-0"



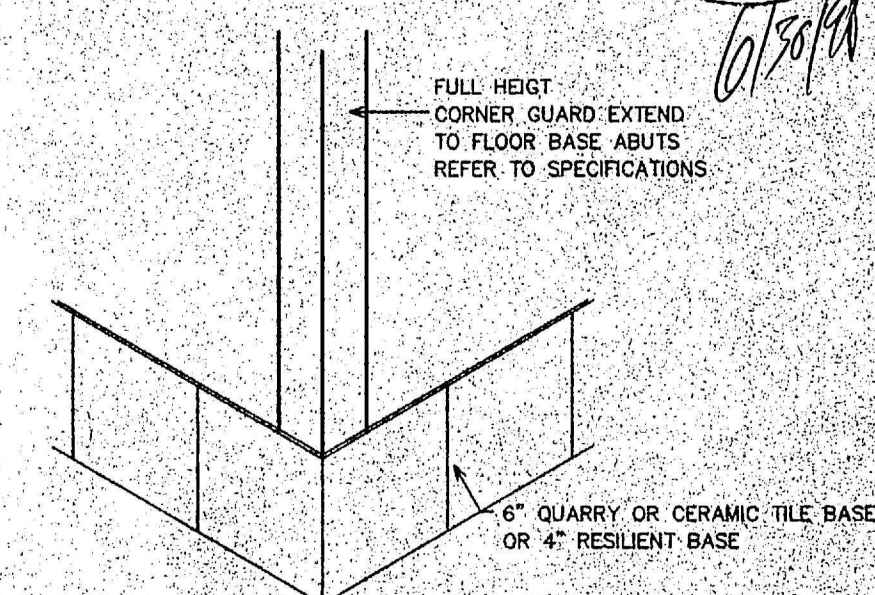
09 STAIR RAIL SECTION
SCALE: 3" = 1'-0"



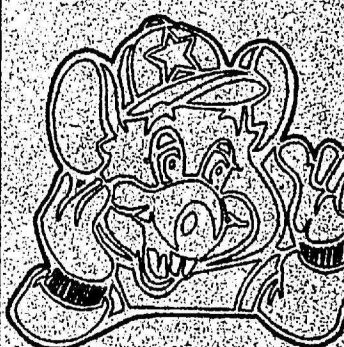
10 TYPICAL HALF WALL
SCALE: 3/4" = 1'-0"



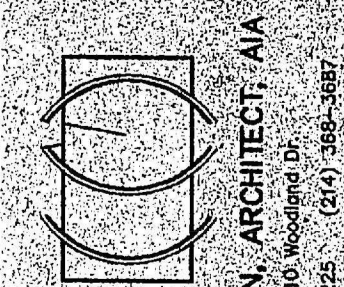
11 OAK CAP AT HALF WALL
SCALE: 3" = 1'-0"



12 CORNER DETAIL
SCALE: 1 1/2" = 1'-0"



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4441 WEST AIRPORT FREEWAY
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DATE: 06/26/98

Revisions

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97-035

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DETAILS



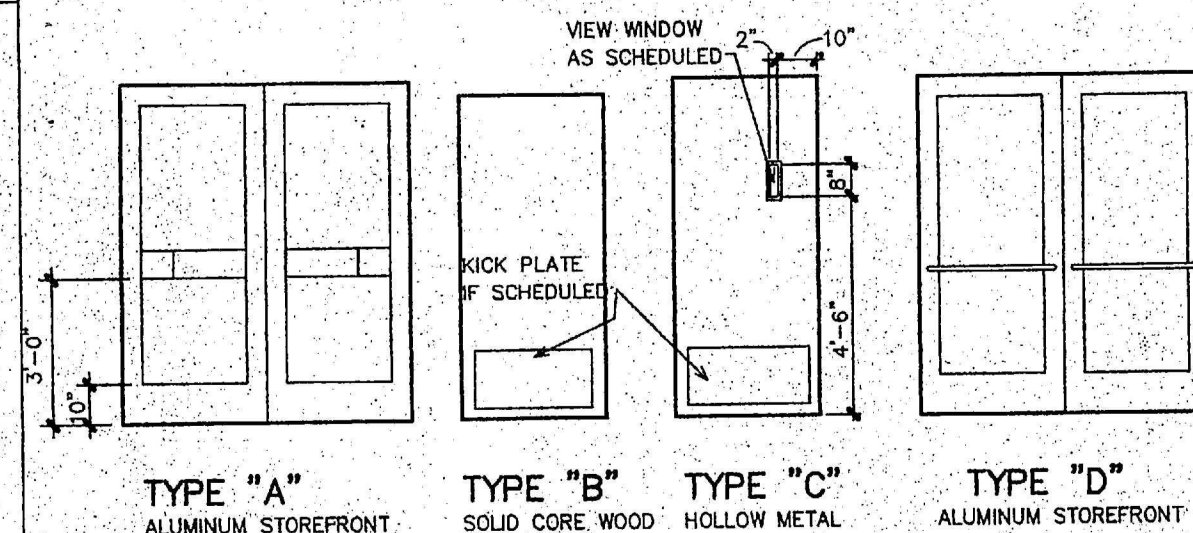
HARDWARE SCHEDULE

HARDWARE SET NO. 1 - DOUBLE FRONT ENTRY			
2	EA PIVOT	KAWNEER	BOTTOM OFFSET #17 CLR FINISH
2	EA PIVOT	KAWNEER	TOP OFFSET #17 CLR FINISH
2	EA PIVOT	KAWNEER	INTERMEDIATE #17 CLR FINISH
2	EA PIVOT	KAWNEER	OFFSET PULL #17 CLR FINISH
1	EA PANIC	KAWNEER PANELINE II	EXIT DEVICE #14 CLR ANODIZED
1	EA CLINDER	KAWNEER	KEYED 1/2" X 4" W/ FINISH
1	EA THRESHOLD	KAWNEER	18TJ SNB DB #33
2	EA CLOSER	LCN #4041	
HARDWARE SET NO. 2 - DOUBLE ENTRY/LOBBY			
3	EA BUTTS	HAGER	#BB-1279 4.5" X 4.5" US26D
2	EA PIVOT	KAWNEER	TOP OFFSET #17 CLR FINISH
2	EA PIVOT	KAWNEER	INTERMEDIATE #17 CLR FINISH
2	EA PULL	KAWNEER CD-9	OFFSET PULL #17 CLR FINISH
1	EA PUSH	KAWNEER CP-II	EXIT DEVICE #17 CLR FINISH
1	EA THRESHOLD	KAWNEER	1/2" X 4" W/ FINISH
2	EA CLOSER	LCN #4041	18TJ SNB DB #33
HARDWARE SET NO. 3 - TECH, COMPUTER, COSTUME, OFFICE & JANITOR			
3	EA BUTTS	HAGER	#BB-1279 4.5" X 4.5" US26D
1	EA LOCKSET	SCHLAGE	#D80PD RHODES US26D
1	EA CLOSER	LCN #1461	SNB BLACK US26D
1	EA WALL STOP	B.BRASS #W9	AS REQUIRED US26D
1	EA KNOB PLATE	HAGER #H90S	10" X 3 1/4" US26D
3	EA SILENCERS	HAGER #307D	
HARDWARE SET NO. 4 - GIFT STORAGE DOOR			
3	EA BUTTS	HAGER	#BB-1279 4.5" X 4.5" US26D
1	EA LOCKSET	SCHLAGE	#D80PD RHODES US26D
1	EA CLOSER	LCN #1461	SNB BLACK US26D
1	EA WALL STOP	B.BRASS #W9	AS REQUIRED US26D
3	EA SILENCERS	HAGER #307D	
HARDWARE SET NO. 5 - STOREFRONT EXIT DOOR			
3	EA PIVOTS BY DOOR MANUFACTURER	#BB-1279	4.5" X 4.5" US26D
1	EA THRESHOLD	N.GUARD #B96	X WIDTH SCHEDULED / NEOPRENE
1	EA GASKET SET	N.GUARD #5050	
1	EA EXIT ALARM	DET-EX #EA-500S	2049S US26D
1	EA PANIC	V. DUPRIN #B800	SNB US26D
1	EA CLOSER	LCN #1461	SNB FINISH TO MATCH DOOR

FLAME SPREAD SCHEDULE

MATERIAL	FLAME SPREAD
F.R.P. PANELS	175
PLASTIC LAMINATE	190
CARPET	25
ANNING FABRIC	25
LT-1 CEILING TILE	25
LT-2 CEILING TILE	10
SHEET VINYL	0.45 WATTS/CM
V.C.T.	0.45 WATTS/CM
VINYL BASE	75 OR LESS
PAINT	8.5 OR LESS

DOOR TYPES



DOOR SCHEDULE

DOOR NO.	DOOR SIZE	TYPE	FRAME	HARDWARE SET	NOTES
01	pr. 3'-0" x 7'-0" x 1 3/4"	A	ANODIZED ALUM	ANODIZED 1	TEMPERED
02	pr. 3'-0" x 7'-0" x 1 3/4"	D	ANODIZED ALUM	ANODIZED 2	
03	NOT USED				
04	3'-0" x 7'-0" x 1 3/4"	D	ANODIZED ALUM	ANODIZED 5	W/ PANIC HARDWARE/AUDIO ALARM
05	3'-0" x 7'-0" x 1 3/4"	D	ANODIZED ALUM	ANODIZED 5	W/ PANIC HARDWARE/AUDIO ALARM
06	3'-0" x 6'-8" x 1 3/4"	B	P. LAM. HM	PAINT 4	
07	3'-0" x 6'-8" x 1 3/4"	B	P. LAM. HM	PAINT 3	ALTERNATE
08	3'-0" x 6'-8" x 1 3/4"	B	P. LAM. HM	PAINT 3	ALTERNATE

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WAINSCOT	WALLS	NORTH	EAST	SOUTH	WEST	CEILING	CEILING	NOTES
101	ENTRY	C-1	B-1	W-4	GP-1	GP-1	GP-1	GP-1	GP-1	LT-1	EXISTING	
102	VESTIBULE	C-1	B-1	W-4	GP-1	GP-1	GP-1	GP-1	GP-1	LT-1	11'-0"	
103	SKILLS AREA	C-1	B-1	W-4	GP-1	GP-1	GP-1	GP-1	GP-1	LT-1	EXISTING	
104	GIFTS	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING	
105	ORDER	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING	
106	SALAD BAR	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING	
107	BEVERAGE	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING	
108	OFFICE	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING	
109	KITCHEN	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING	
110	PICK UP	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING	
111	MECH. ROOM	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING	
112	CUSTOMER SERVICE	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING	
113	COSTUME	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING	
	COSTUME (ALTERNATE)	C-1	B-1	-	GP-1	GP-1	GP-1	GP-1	GP-1	LT-1	9'-0"	
114	GIFT STORAGE	CT-1	CT-2	-	GP-1	GP-1	GP-1	GP-1	GP-1	LT-1	11'-0"	
115	DRY STORAGE	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING	
116	WOMEN	CT-1	CT-1	CT-2	GP-1	GP-1	GP-1	GP-1	GP-1	LT-2	8'-6"	W/ CT-3 ACCENT BAND
117	JANITOR	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING	
118	TOILET VESTIBULE	C-1	B-1	W-4	GP-1	GP-1	GP-1	GP-1	GP-1	LT-1	8'-6"	
119	MEN	CT-1	CT-1	CT-2	GP-1	GP-1	GP-1	GP-1	GP-1	LT-2	8'-6"	W/ CT-3 ACCENT BAND
120	SHOWROOM	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING	CEILING AT 10'-6" AFF ABOVE ANIMATION ON ALTERNATE
121	WALK-IN	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING	
122	KIDDIE AREA	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING	
123	DOUGH	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING	
124	COMP.	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING	
	COMP. (ALTERNATE)	C-1	B-1	-	GP-1	GP-1	GP-1	GP-1	GP-1	LT-1	9'-0"	
125	VEGETABLE PREP.	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING	
126	DISHWASH	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING	
127	PLATFORM DINING	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXISTING	
128	ADDITIONAL SKILLS AREA	C-1	B-1	W-4	GP-1	GP-1	GP-1	GP-1	GP-1	LT-1	9'-0"	
129	ADDITIONAL KIDDIE AREA	C-1	B-1	W-4	GP-1	GP-1	GP-1	GP-1	GP-1	EXIST	EXISTING	

NOTE: USE CEMENT BACKER BOARD AT ALL KITCHEN WALLS AND ALL REST ROOM WALLS TO PROVIDE EFFECTIVE MOISTURE BARRIER, AND SECURE BACKING FOR WALL FINISHES.

FINISH KEY

PAINT/STAINS - SHERWIN WILLIAMS

P-1 HOLLYBERRY RED - FRONT DR. & FR. ALL EXPOSED INT. COLS. SHALL COMPLY W/ STATE VOC GUIDELINES

FORMULA:
BASE - IND. ENAMEL SAFETY RED - B54R38
844 COLORANT: P1-40, R1-32, W1-16

P-2 "LIGHT MOVES" - UPPER WALLS & EMERGENCY EXIT DR. & FR.
FORMULA:
TEXTURE - MEDIUM ORANGE PEEL
FIRST COAT X-1-M 400-W PRIMER
SECOND COAT PROMAR 200 LATEX SEMI-GLOSS ENAMEL
THIRD COAT PROMAR 200 LATEX SEMI-GLOSS ENAMEL
P-3 WINDSOR GRAY - ALL DR. & FR. W/ DR. PLAM.
FORMULA: 26/32 BLACK 2 OZ. 9/32 UMBER

P-4 PAINT TO MATCH EXIST.

P-5 PAINT TO MATCH PANELING "MORNING HAZE"
BASE: SHERWIN WILLIAMS INDUSTRIAL ENAMEL B54W101
FORMULA: 26/32 BLACK 2 OZ. 9/32 UMBER

P-6 PAINT TO MATCH DRYVIT "OYSTER SHELL"
FORMULA:
BASE - A-100 SATIN PAINT
B1-241, V3-13, R2-1+01, N1-5

P-7 PAINT TO MATCH EXISTING TRIM COLOR

P-8 PAINT CEILING AND GRID ABOVE PLATFORM
#013 STONE THROW

ST-1 INTERIOR WOOD (LOW WALL CAPS AND WINDOW SILLS) (WHITE)

1ST COAT - SHERWIN-WILLIAMS WOOD WIPING STAIN-S64 W11 WHITE
2ND COAT - SHERWIN-WILLIAMS WOOD VINYL SEALER T67 F3
3RD COAT - SHERWOOD CAB-ACRYLIC T75 C15
4TH COAT - SAME AS THIRD COAT

ST-2 INTERIOR WOOD (MARLITE CAP CHAIR RAIL AND MISC.) (CHERRY)

1ST COAT - SHERWIN-WILLIAMS WOOD WIPING STAIN-S64 R6 CHERRY WITH 4 OZ. MAROON OXIDE
2ND COAT - SHERWIN-WILLIAMS WOOD VINYL SEALER T67 F3
3RD COAT - SHERWOOD CAB-ACRYLIC T75 C15
4TH COAT - SAME AS THIRD COAT

ST-3 INTERIOR WOOD (LOW WALL CAPS, WINDOW SILLS AND TRIM TO MATCH EXISTING)

CERAMIC TILE

CT-1 TYPE: FLOOR TILE
SIZE: 12" X 12" Laid in 24" X 24" PATTERN AS SHOWN
TILES: CROSSVILLE #A215 EMPRESS WHITE CP2
CROSSVILLE #A850 GRAPHITE CP1

BASE: 6" HIGH COVE - GRAPHITE
GROUT: MFG. CUSTOM BUILDING PRODUCTS "WINTER GREY"

CT-2 TYPE: WALL TILE
SIZE: 4 1/4" X 4 1/4"
TILES: UNITED STATES CERAMICS TILE U078 ALMOND
GROUT: MFG. CUSTOM BUILDING PRODUCTS "SAIL WHITE"

CT-3 TYPE: WALL TILE ACCENT BAND
SIZE: 4 1/4" X 4 1/4"
TILES: UNITED STATES CERAMICS TILE U733 RED
GROUT: MFG. CUSTOM BUILDING PRODUCTS "SAIL WHITE"

GYPSUM DRYWALL

GP-1 TO PAINT
GP-2 NOT USED

PLASTIC LAMINATE

LP-1 WILSONART "HOLLYBERRY" RED CRYSTAL D-307-90

MARLITE PANELING

W-4 1/4" MARLITE TO MATCH EXISTING
W-5 DISPLAY WALL - CRYSTAL GRAY, MODEL #2764
CONTACT MARLITE/BILL McCauley @ 817-572-5845

RESILIENT BASE

B-1 4" HIGH COVE - BURKE #642P CHARCOAL
B-2 12" TREAD - BURKE 642M - "SILVER" WITH VISUAL IMPAIRED STRIP

FRP

W-2 .09 THK EMBOSSED - KEMLITE - FRP WHITE

ACOUSTICAL LAY-IN CEILING TILE

LT-1 2 x 4 TO MATCH EXISTING
LT-2 2 x 4 VINYL COATED
LT-3 2 x 2 VINYL COATED PAINT TO MATCH "HAZE"
GRID TO MATCH CLG TILE COLOR IN PUBLIC AREAS
CONTACT ARMSTRONG/MELISSA GUTLER/EACH AT 1-800-448-1405 EXT 8337

CONCRETE

E EXPOSED CONCRETE - SEALED

CARPET

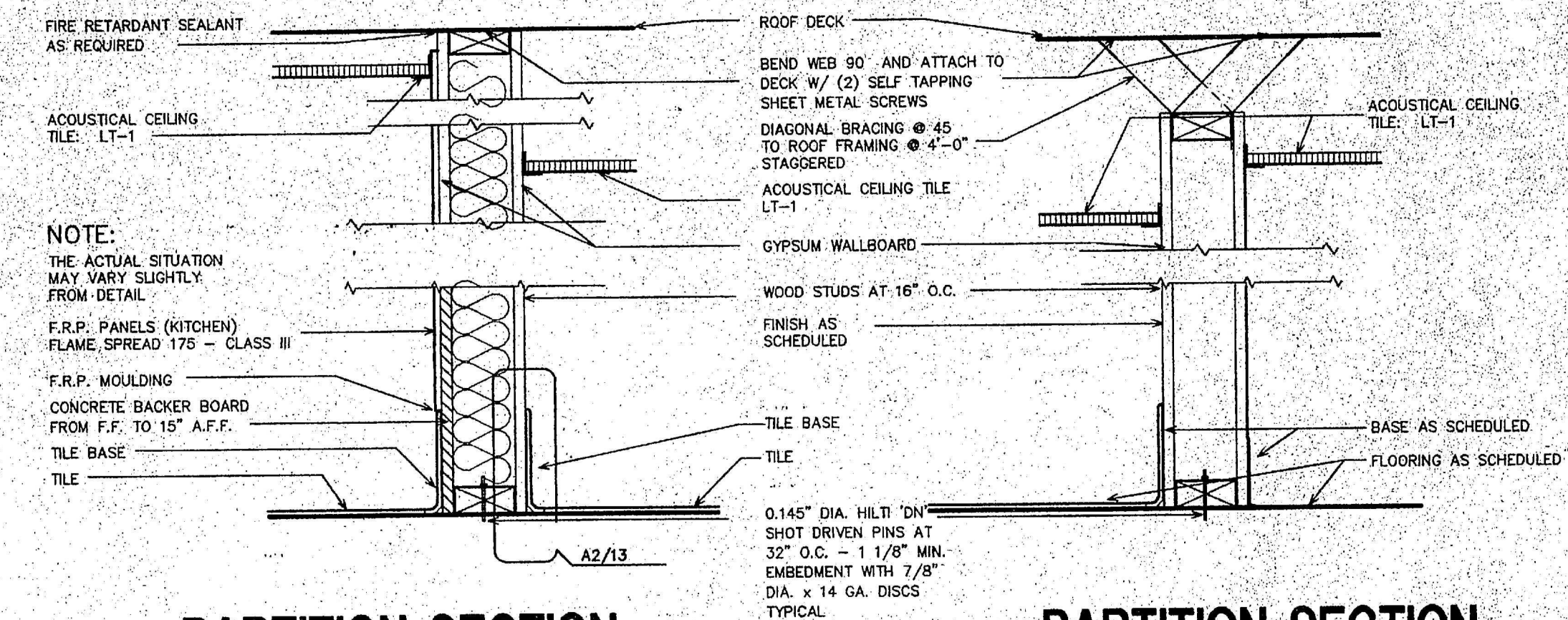
C-1 "HARBINGER" CARPET "OCEAN PASSION" SUPPLIED BY OWNER
C-2 HUEGA SUPERFLOOR "S" 18" X 18" TILE BY J. ARNOLD
214-742-1745 COLOR: 1359 (IN VESTIBULE ONLY)

VINYL TILE

VT-1 ARMSTRONG PREMIUM EXCELON TILE, 12" X 12" STONETEX PEBBLE GRAY
VT-2 ARMSTRONG PREMIUM EXCELON TILE, 12" X 12" STONETEX #52144 COAL BLACK

SOLID SURFACING

SS-1 WILSON ART GIBRALTER 1572-SL ANTIQUE WHITE

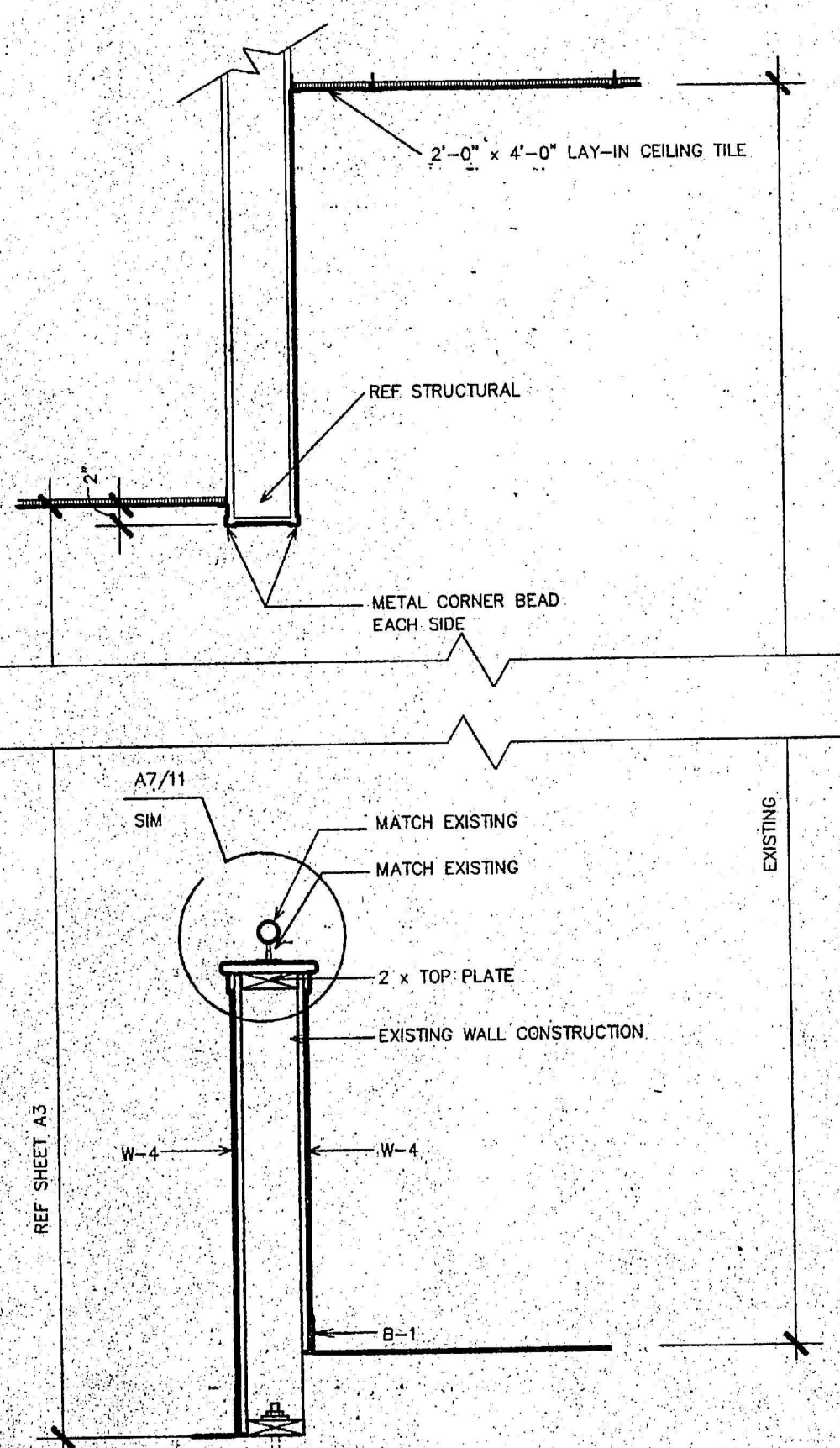


01 PARTITION SECTION

SCALE: 1 1/2" = 1'-0"

02 PARTITION SECTION

SCALE: 1 1/2" = 1'-0"

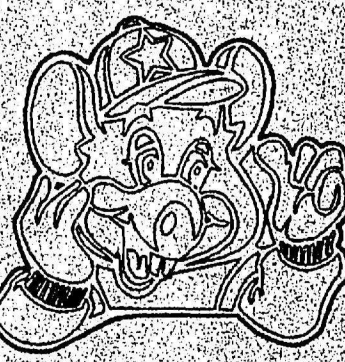


08 WALL SECTION

SCALE: 3/4" = 1'-0"

07 MONITOR PLAN (ALTERNATE)

SCALE: 1/2" = 1'-0"



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PROJECT ADMINISTRATOR

CHUCK E. CHEESE'S PIZZA #413 - COVINA
801 AZUSA AVENUE COVINA, CA 91722
SHOWBIZ PIZZA TIME, INC.
4441 WEST AIRPORT FREEWAY
IRVING, TEXAS 76062
SCHEDULES AND DETAILS

Date
06/26/98
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MARK	DESCRIPTION	QTY	MANUFACTURER	REMARKS	FURNISHED BY	INSTALLED BY	HOOK-UP BY	START-UP BY
B01								
B02								
B03								
B04	72" SINGLE SKILLS/KIDIE BOOTH	0	CUSTOM		O/S	G	N/A	N/A
B05	60" DOUBLE SKILLS/KIDIE BOOTH	11	CUSTOM		O/S	G	N/A	N/A
B06	60" DOUBLE SKILLS/KIDIE BOOTH	3	CUSTOM		O/S	G	N/A	N/A
B07	48" DOUBLE SKILLS/KIDIE BOOTH	11	CUSTOM		O/S	G	N/A	N/A
B08	48" SINGLE SKILLS/KIDIE BOOTH	8	CUSTOM		O/S	G	N/A	N/A
B09	42" DOUBLE SKILLS/KIDIE BOOTH	7	CUSTOM		O/S	G	N/A	N/A
B10	42" SINGLE SKILLS/KIDIE BOOTH	4	CUSTOM		O/S	G	N/A	N/A
B11	24" DOUBLE SKILLS/KIDIE BOOTH	0	CUSTOM		O/S	G	N/A	N/A
B12	24" SINGLE SKILLS/KIDIE BOOTH	2	CUSTOM		O/S	G	N/A	N/A
B13								
B14								
B15	72" BENCH	2	CUSTOM		O/S	G	N/A	N/A
B16								
B17	60" DOUBLE SHOWROOM/DINING BOOTH	0	CUSTOM		O/S	G	N/A	N/A
B18	60" SINGLE SHOWROOM/DINING BOOTH	0	CUSTOM		O/S	G	N/A	N/A
B19	48" DOUBLE SHOWROOM/DINING BOOTH	0	CUSTOM		O/S	G	N/A	N/A
B20	48" SINGLE SHOWROOM/DINING BOOTH	0	CUSTOM		O/S	G	N/A	N/A
B21	42" DOUBLE SHOWROOM/DINING BOOTH	0	CUSTOM		O/S	G	N/A	N/A
B22	42" SINGLE SHOWROOM/DINING BOOTH	0	CUSTOM		O/S	G	N/A	N/A
B23	24" DOUBLE SHOWROOM/DINING BOOTH	1	CUSTOM		O/S	G	N/A	N/A
B24	24" SINGLE SHOWROOM/DINING BOOTH	2	CUSTOM		O/S	G	N/A	N/A

MARK	DESCRIPTION	QTY	MANUFACTURER	REMARKS	FURNISHED BY	INSTALLED BY	HOOK-UP BY	START-UP BY
T01								
T02	60" BOOTH TABLE SKILLS/KIDIE	11	CUSTOM		O/S	G	N/A	N/A
T03	48" BOOTH TABLE SKILLS/KIDIE	15	CUSTOM		O/S	G	N/A	N/A
T04	42" BOOTH TABLE SKILLS/KIDIE	9	CUSTOM		O/S	G	N/A	N/A
T05	24" BOOTH TABLE SKILLS/KIDIE	1	CUSTOM		O/S	G	N/A	N/A
T06								
T07	72" 60" BOOTH TABLE SKILLS/KIDIE	0	CUSTOM		O/S	G	N/A	N/A
T08	60" 48" BOOTH TABLE SKILLS/KIDIE	0	CUSTOM		O/S	G	N/A	N/A
T09	60" 42" BOOTH TABLE SKILLS/KIDIE	3	CUSTOM		O/S	G	N/A	N/A
T10	48" 24" BOOTH TABLE SKILLS/KIDIE	0	CUSTOM		O/S	G	N/A	N/A
T11	42" 24" BOOTH TABLE SKILLS/KIDIE	0	CUSTOM		O/S	G	N/A	N/A
T12								
T13								
T14	42" x 28" FREESTANDING TABLE	0	CUSTOM		O/S	G	N/A	N/A
T15	32" x 30" FREESTANDING TABLE	0	CUSTOM		O/S	G	N/A	N/A
T16	60" BOOTH TABLE SHOWROOM/DINING	0	CUSTOM		O/S	G	N/A	N/A
T17	48" BOOTH TABLE SHOWROOM/DINING	0	CUSTOM		O/S	G	N/A	N/A
T18	42" BOOTH TABLE SHOWROOM/DINING	0	CUSTOM		O/S	G	N/A	N/A
T19	24" BOOTH TABLE SHOWROOM/DINING	2	CUSTOM		O/S	G	N/A	N/A
T20								
T21	72" 60" BOOTH TABLE SHOWROOM DINING	0	CUSTOM		O/S	G	N/A	N/A
T22	60" 48" BOOTH TABLE SHOWROOM/DINING	0	CUSTOM		O/S	G	N/A	N/A
T23	60" 42" BOOTH TABLE SHOWROOM/DINING	0	CUSTOM		O/S	G	N/A	N/A
T24	48" 24" BOOTH TABLE SHOWROOM/DINING	0	CUSTOM		O/S	G	N/A	N/A
T25	42" 24" BOOTH TABLE SHOWROOM/DINING	0	CUSTOM		O/S	G	N/A	N/A

SIGNAGE SCHEDULE

ITEM NO.	DESCRIPTION	LOCATION	EXIST'S	REMOVE	NEW
ITEM NO.	DESCRIPTION	LOCATION	EXIST'S	REMOVE	NEW
S1	0	ENTRANCE SIGN (HOURS OF OP.)			
S2	1	ENTRANCE SIGN (PROMISE)			
S3	1	ENTRANCE SIGN (POINT OF DIFFERENCE)			
S4	1	ENTRANCE SIGN (SMOKING POLICY)			
S5	1	ENTRANCE AND EXIT DECALS			
S6	0				
S7	0	MENU HEADER			
S8	0	GIFTS AND PRIZES (STANDARD)			
S9	0	GIFTS AND PRIZES (SMALL)			
S10	0	GIFTS (SMALL)			
S11	0	SALAD BAR			
S12	0	BEVERAGES (STANDARD)			
S13	0	BEVERAGES (SMALL)			
S14	0	PIZZA CIRCLES			
S15	0				
S16	1	SKEE-BALL SCOREBOARD AND HEADER			
S17	0	SKEE-BALL HEADER (ONLY)			
S18	0	SHOWROOM SIGN/LOGO (STANDARD)			
S19	0	SHOWROOM SIGN/LOGO (SMALL)			
S20	1	STUDIO "C" SIGN			
S21	0				
S22	0	RESTROOM DIRECTIONAL			
S23	0	RESTROOM MARQUEES (MEN & WOMEN)			
S24	0	RESTROOM OVALS (CHUCK & HELEN)			
S25	0	ADA SIGNS (PROGRESSIVE)			
S26	0	ADA SIGNS (PLASTIC)			
S27	0				
S28	2	LOGO (18" ROUND)			
S29	0	LOGO (26" ROUND)			
S30	0	LOGO (38" ROUND)			
S31	1	LOGO (26" THUMBCHUCK)			
S32	3	LOGO (38" THUMBCHUCK)			
S33	0				
S34	0				
S35	0				
S36	0	CHECKS (22")			
S37	2	CHECKS (32")			
S38	0	CHECKS (52")			
S39	2	CHECKS (72")			
S40	0	CHECKS (97")			
S41	0	CHECKS (122")			
S42	0	CHECKS (147")			
S43	0	CHECKS (182")			
S44	0	CHECKS (217")			
S45	0				
S46	0				
S47	2	EXIT ONLY DECAL			
S48	1	EXIT ONLY SIGN			
S49	1	OCCUPANCY SIGN (TOTAL)			
S50	1	OCCUPANCY SIGN (AREA)			
S51	0				
S52	0				
S53	0	EMPLOYEE PLAQUES			
S54	0	DELIVERY SIGN			

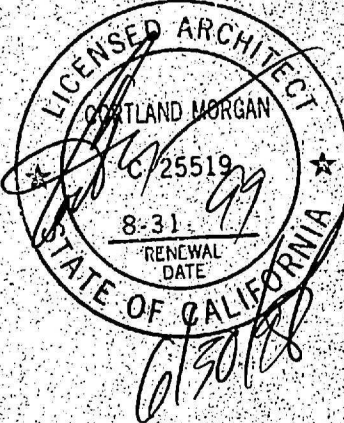
O - OWNER
S - SUPPLIER
G - GENERAL CONTRACTOR
N/A - NOT APPLICABLE

DECOR SCHEDULE

ITEM NO.	DESCRIPTION	LOCATION	EXIST'S	REMOVE	NEW
ITEM NO.	DESCRIPTION	LOCATION	EXIST'S	REMOVE	NEW
D1	0	CD AWARD (CHEESE 2 TOP)			
D2	0	CD AWARD (FLABBY AWARD)			
D3	0	CD AWARD (IVA GOTTA PIZZA)			
D4	0	CD AWARD (SAT NET RET)			
D5	0	CD AWARD (YELLOW SUB)			
D6	0	CD AWARD (L.T. JEWELS)			
D7	0	CD AWARD (BRAIN)			
D8	0	CD AWARD (BAD DOG)			
D9	0	CD AWARD (RAP)			
D10	0	CD AWARD (MUNCH JAM)			
D11	0	CD AWARD (RHYM RATION)			
D12	0	GAME SHOW			
D13	0	SHOWROOM PICTURE (DRIVE IN)			
D14	0	SHOWROOM PICTURE (BROADWAY)			
D15	0	SHOWROOM PICTURE (TV STUDIO)			
D16	0	SHOWROOM PICTURE (SPORTS PICTURE)			
D17	0	SHOWROOM PICTURE (SEPIA TONE)			
D18	0	HOCKEY STICK, PUCK, AND MAGAZINE COVER			
D19	1	LARGE PEN AND PENCIL			
D20	1	BALL COLLAGE			
D21	0	POSTCARD (ITALY)			
D22	1	POSTCARD (WILD WEST)			
D23	0	POSTCARD (BIG CITY)			
D24	1	POSTCARD (HOLLYWOOD)			
D25	0	POSTCARD (TROPICS)			
D26	1	RULER			
D27	2	1 LARGE, 1 SMALL CHAIRS			
D28	0	W/ CHUCKMORRE			
D29	0	CHEESE GUITAR			
D30	0	FLAME GUITAR			
D31	0	ROLLING BONE			
D32	0	FILM REEL PLANT			
D33	0	HORIZONTAL FILM STRIP			
D34	0	CLARINET (ANDY WARHOL)			
D35	1	TRIPTYCH (ANDY WARHOL)			
D36	1	QUAD (ANDY WARHOL)			
D37	0	DRUM COVER			
D38	0	GLOVE AND CANE			
D39	1	BALL COLLAGE			
D40	0	BREAKOUTS			
D41	0				
D42	1	PORTRAITS (CHUCK)			
D43	1	PORTRAITS (HELEN)			
D44	0	PORTRAITS (MUNCH)			
D45	0	PORTRAITS (CASUALTY)			
D46	0	PORTRAITS (JASPER)			
D47	0				
D48	10	SILK PLANT (TERRA GOTTA WALL SCENE)			
D49	0	SILK PLANT (BRASS WALL SCENE)			
D50	0	SILK PLANT (STANDARD SNEEZE GUARD)			
D51	0	SILK PLANT (DRACONIA FLOOR PLANT)			
D52	0	SET SHELF ARTIFACTS			
D53	0	LARGE MAG			
D54	6	STAR (5")			
D55	4	STAR (12")			
D56	0	STAR (16")			
D57	0	STAR (24")			
D58	0	STAR (48")			
D59	0				
D60	0	MUNCH/EMPIRE			
D61	1	MOVIE PARODY POSTERS			
D62	0				
D63	0				
D67	0	COAT RACKS (6')			

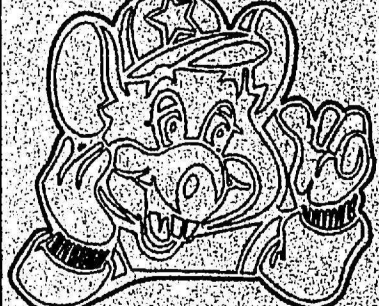
NOTES

DIVISION 02 - DEMOLITION/REMOVAL/STEWOR:
DEMOLITION, REMOVAL, SALVAGE & REUSE, STEWOR:
0231 REMOVE DECOR ITEMS (WALL SCENES, ARTWORK ETC.) AS SCHEDULED. SAVE FOR REINSTALLATION BY VENDOR. PATCH AND REPAIR SURFACE FOR NEW WORK.
DIVISION 09 - FINISHES:
0933 EXTEND TILE AND BASE AT GIFT TO MATCH EXISTING.
DIVISION 12 - FURNISHINGS:
DECOR, KID CHECK, BOOTHS, TABLES, CHAIRS, BENCHES
1201 OWNER'S DECOR VENDOR SHALL PROVIDE AND INSTALL DECOR AS SCHEDULED.
1205 INSTALL OWNER FURNISHED THANK YOU BOXES.
1214 ALTERNATE: REMOVE EXISTING SHOWROOM SIGN AND INSTALL NEW STUDIO "C".
1215 ALTERNATE: REMOVE STARS, GUITARS, AND MUNCH TICKET. PATCH AND REPAIR SURFACE.
1260 INSTALL NEW FURNITURE PROVIDED BY OWNER.
1262 OWNER'S VENDOR TO INSTALL IN PLACE NEW OWNER PROVIDED BOOTHS AND BOOTH FILLERS.
1263 G.C. SHALL INSTALL NEW BENCH(S) SUPPLIED W/ NEW FURNITURE PACKAGE.
1266 RELOCATE EXISTING BOOTHS AS SHOWN.
DIVISION 16 - ELECTRICAL:
POWER, LIGHTING, SOUND, COMMUNICATIONS, COMPUTERS
1601 PROVIDE NEW DUPLEX FLOOR OUTLETS TWO (2) OUTLETS PER 20 AMP CIRCUIT.
1602 FIELD VERIFY LOCATION AND QUANTITY.
1602 PROVIDE NEW DUPLEX WALL OUTLETS AT 18" A.F.F. THREE (3) OUTLETS PER 20 AMP CIRCUIT. (FIELD VERIFY LOCATION AND QUANTITY) PLATES SHALL BE LEVITON #80703-EN RECEPTACLES LEVITON #5262566.



SEATING	NEW	EXISTING	ATTRactions	
KIDIE AREA:	12	32	KIDIE:	xx
SKILLS AREA:	28	0	SKILLS:	xx
SHOWROOM AREA:	4	238		
ADDITIONAL KIDIE:	36	0	ADDITIONAL KIDIE:	xx
ADDITIONAL SKILLS:	74	0	ADDITIONAL SKILLS:	xx
TOTAL SEATS:	154	270	TOTAL POSITIONS:	xx
TOTAL AREA:	13,500 SQ.FT.			

01 FLOOR PLAN
SCALE: 1/8" = 1'-0"



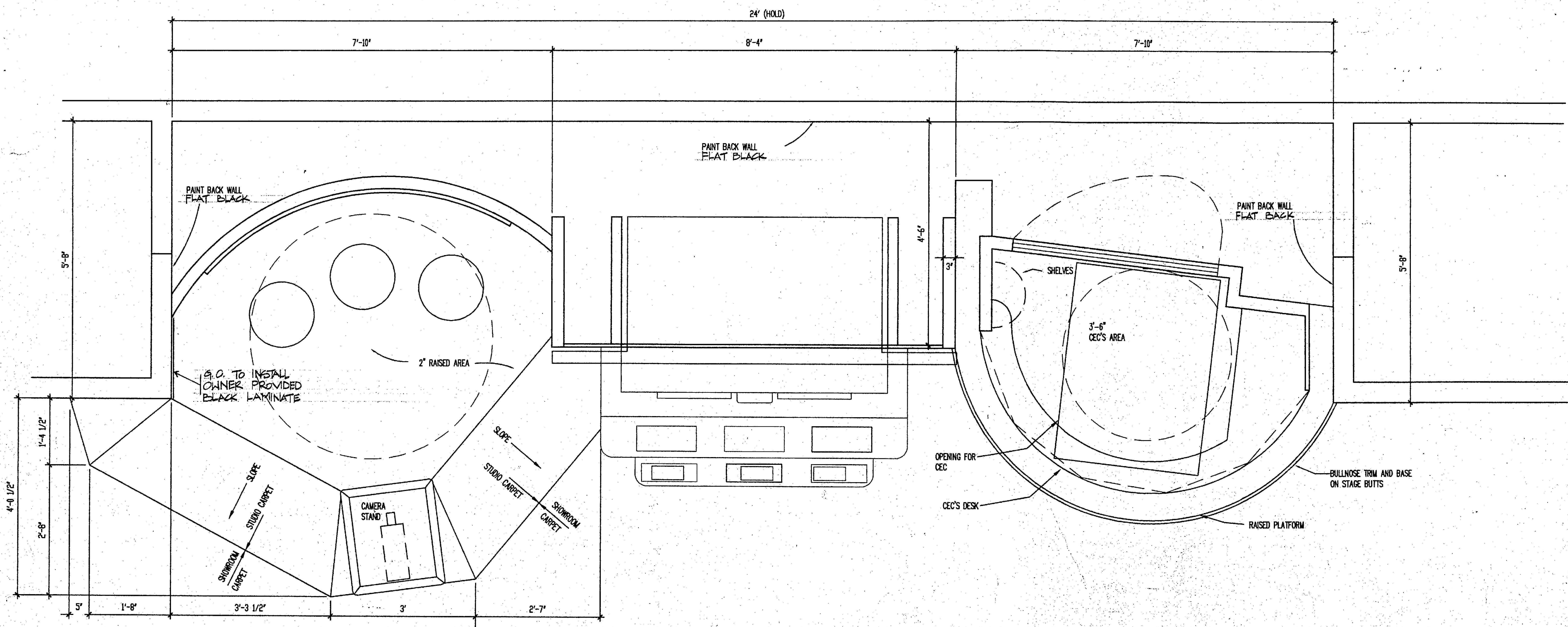
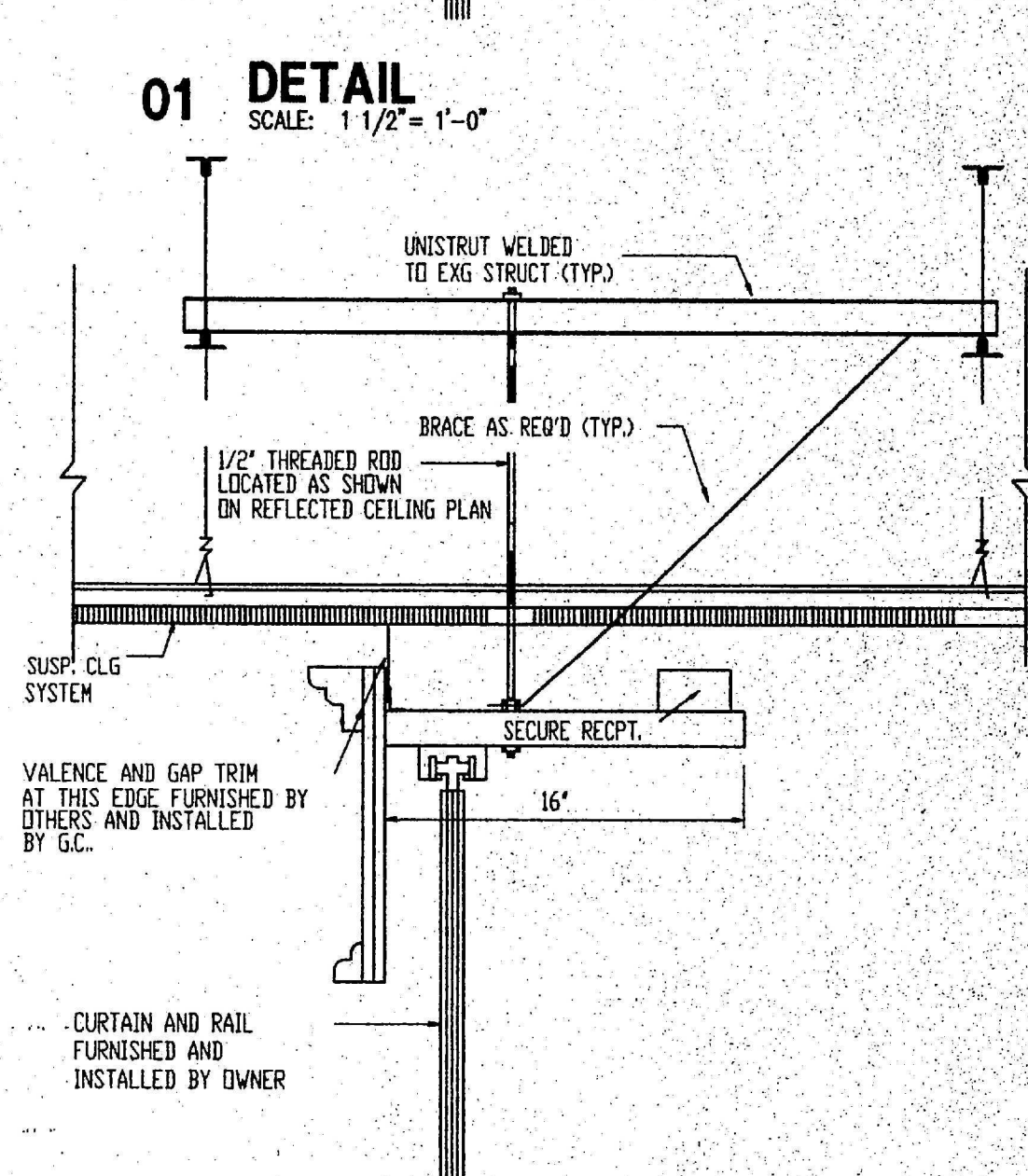
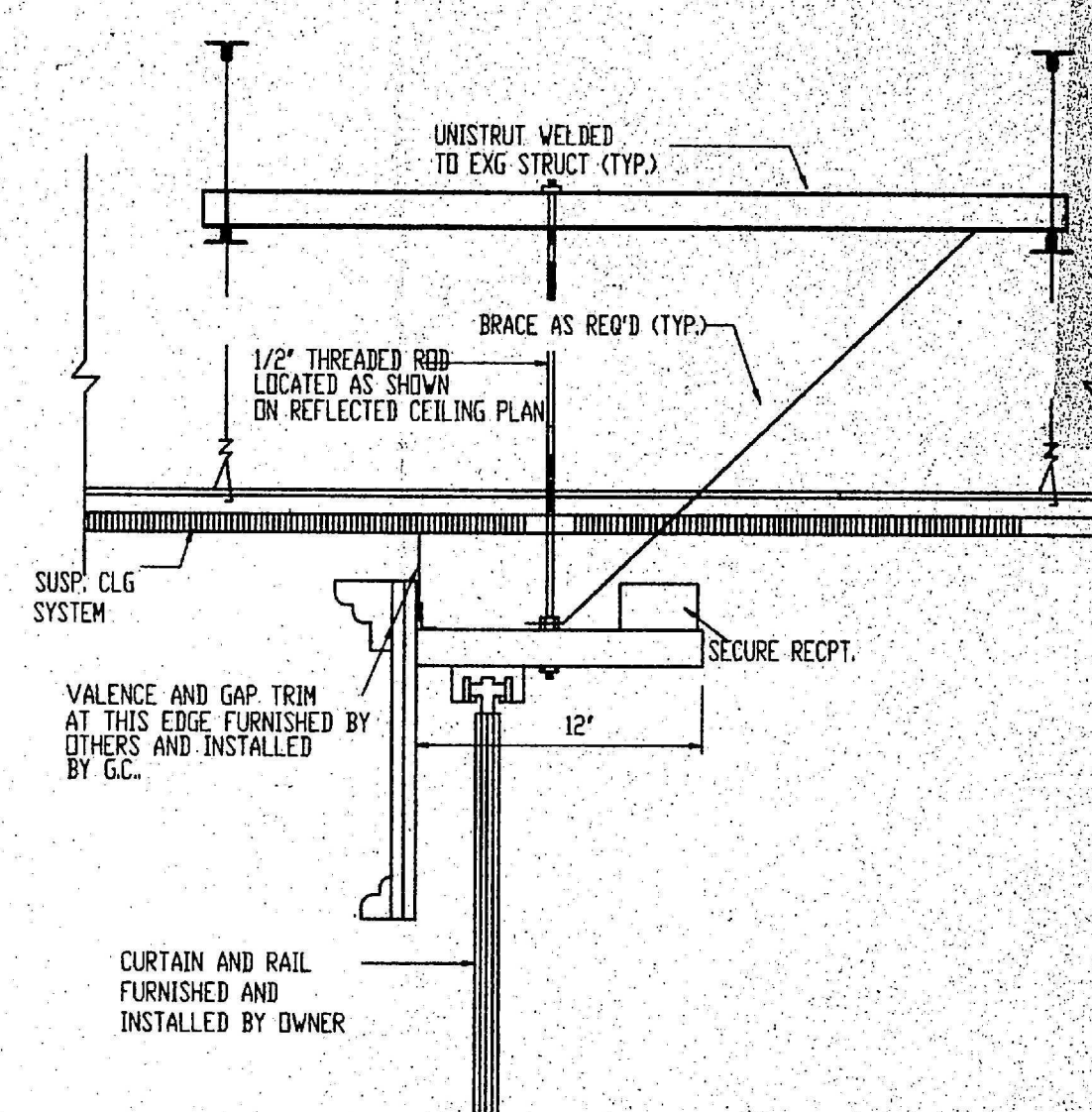
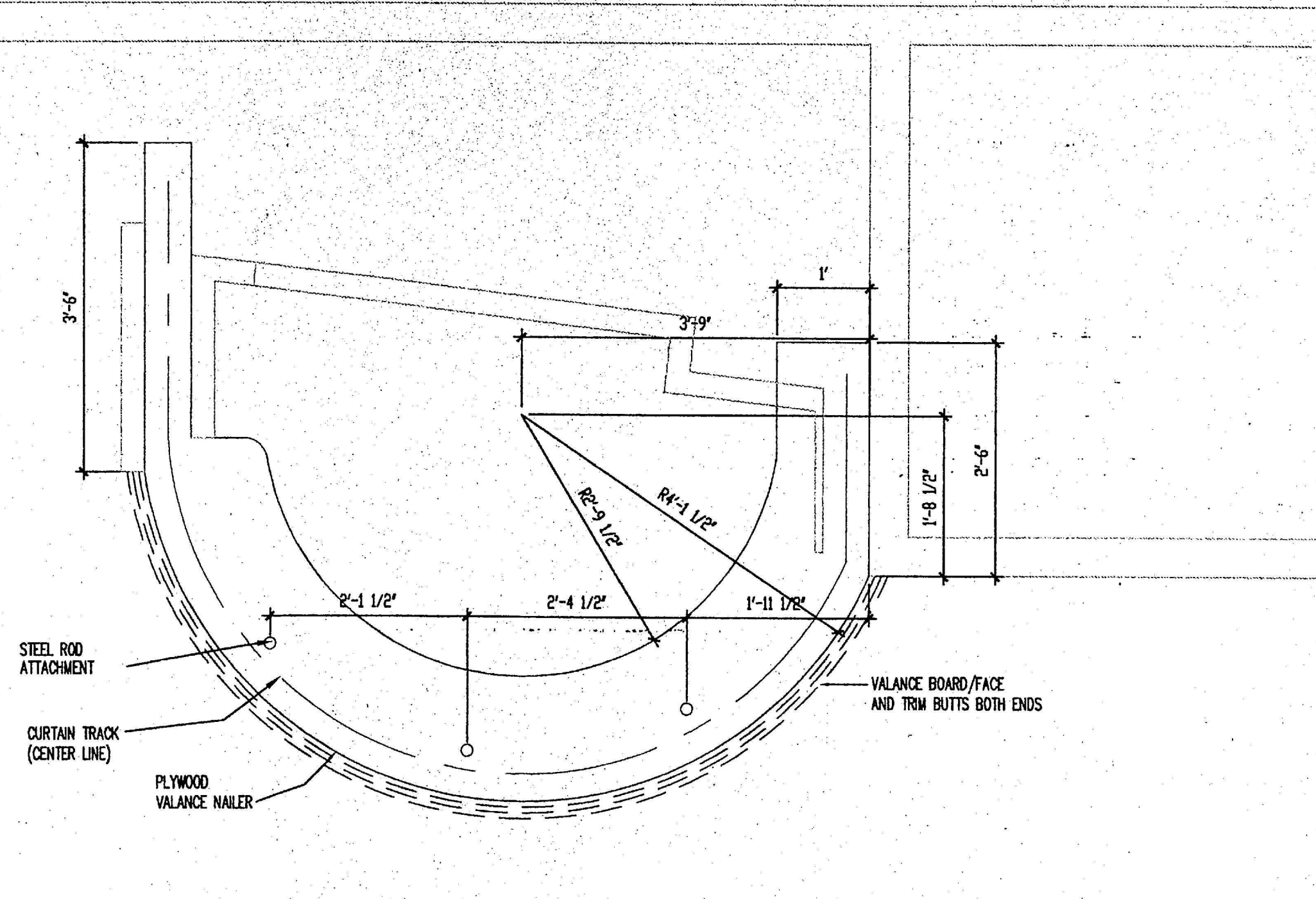
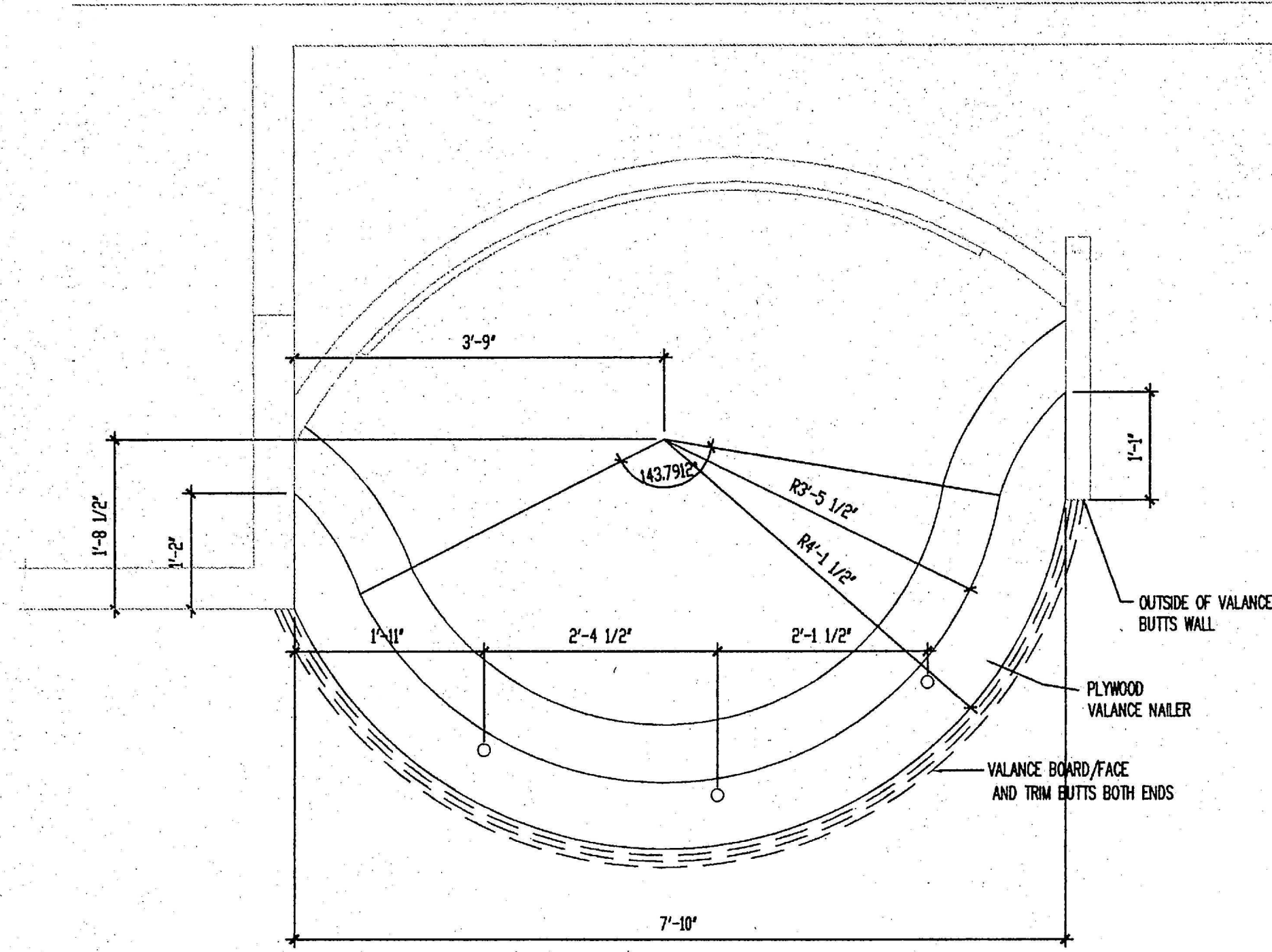
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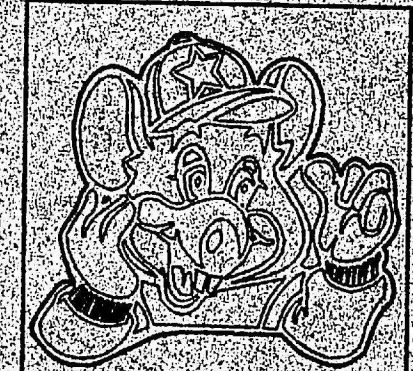
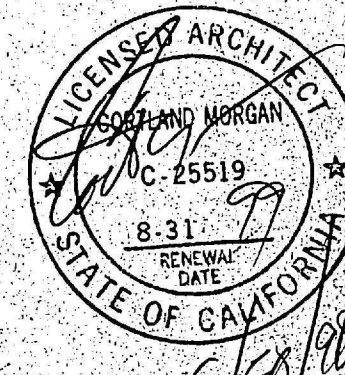
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CHUCK E. CHEESE'S PIZZA #413 - COVINA
801 AZUSA AVENUE - COVINA, CA - 91722
SHOWBIZ PIZZA TIME, INC.
4441 WEST AIRPORT FREEWAY
IRVING, TEXAS 75002
EQUIPMENT AND FURNITURE PLAN

Date: 06/26/98
Revisions:
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- GENERAL CONTRACTOR'S RESPONSIBILITIES
1. INSTALL MONITORS PER MONITOR MOUNT DETAILS.
 2. INSTALL ALL ELECTRICAL SERVICES PER REFLECTED CEILING/ELECTRICAL PLAN.
 3. PAINT CEILING AND GROS BLACK PER REFLECTED CEILING/ELECTRICAL PLAN.
 4. INSTALL PRE-FINISHED TRIM (WHERE NO HEADER IS SPECIFIED).
 5. TRIM AND SEAL CARPET TO EDGE OF PLATFORM AS SHOWN.
 6. INSTALL TRIM ABOVE VALANCE AS SHOWN.
 7. INSTALL "APPLAUSE" AND "ON THE AIR" SIGNS AS SHOWN ON REFLECTED CEILING/ELECTRICAL PLAN.
 8. INSTALL SHOWROOM TRUSS-LIGHTS AS SHOWN ON REFLECTED CEILING/ELECTRICAL PLAN.
 9. ASSEMBLE "STUDIO C" PER MANUFACTURER AN SHOW INSTALLER'S DIRECTION.
 10. AS PART OF THE SHOW ASSEMBLY, INSTALL VALANCE SUPPORT PER DETAILS 01 AND 02.



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BURSON AND WILLIAMS
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4441 WEST AIRPORT FREEWAY
IRVING, TEXAS 76062

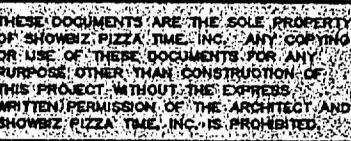
STUDIO 'C' PLAN (ALTERNATE)

Date: 06/26/98

Revisions:

Project Number: 97-035

Sheet Number: ST1 of 2



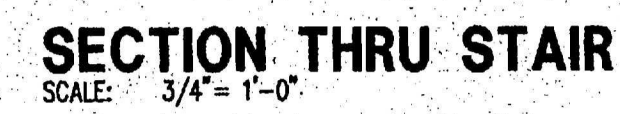
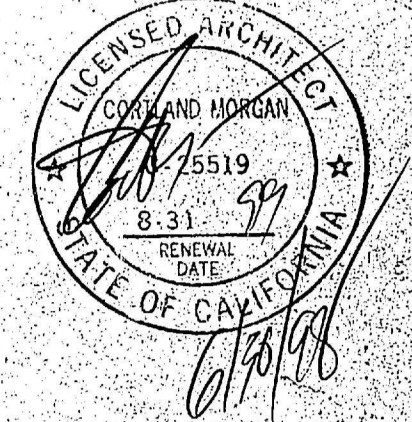
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**SHOWBIZ PIZZA TME, INC.
4441 WEST AIRPORT FREEWAY
IRVING, TEXAS 75062**

Sheet Number

ST2

of 2



GENERAL CONSTRUCTION NOTES

- ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF BOTH LOCAL AND 1944 UNIFORM BUILDING CODE (U.B.C.) STANDARDS.
- CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB SITE AND REPORT ANY ERRORS, OMISSIONS, OR POSSIBLE DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING ANY WORK. SPECIAL CARE SHALL BE GIVEN SITE AND BUILDING LAYOUT THEREON.
- THE CONTRACTOR SHALL PROVIDE SAFE AND ADEQUATE BRACES AND CONNECTIONS TO SUPPORT THE COMPONENT PARTS OF THE STRUCTURE UNTIL THE STRUCTURE ITSELF (INCLUDING THE FLOOR AND ROOF DIAPHRAGMS) IS COMPLETE ENOUGH TO ADEQUATELY SUPPORT ITSELF.
- OPTIONS, IF PROVIDED HEREIN, ARE FOR CONTRACTOR'S CONVENIENCE. HE SHALL BE RESPONSIBLE FOR ALL CHANGES NECESSARY, SHALL COORDINATE ALL DETAILS, AND SHALL OBTAIN ALL REQUIRED APPROVALS.
- COSTS OF ADDITIONAL DESIGN WORK NECESSITATED BY SELECTION OF AN OPTION OR DUE TO ERRORS OR OMISSIONS IN CONSTRUCTION SHALL BE BORNE BY THE CONTRACTOR.
- WHERE DESIGN AND DETAILS OF PLATE GIRDER, TRUSSES, ETC., IS TO BE PROVIDED BY FABRICATOR, CONTRACTOR SHALL SUBMIT CALCULATIONS PREPARED BY A CIVIL OR STRUCTURAL ENGINEER, TO THE ENGINEER AND TO THE BUILDING DEPARTMENT FOR REVIEW PRIOR TO FABRICATION.
- WHERE "CONTINUOUS INSPECTION" IS REQUIRED ON THE PLANS, A REGISTERED DEPUTY INSPECTOR, APPROVED BY, AND RESPONSIBLE TO THE ENGINEER AND BUILDING DEPARTMENT, SHALL BE EMPLOYED BY THE CONTRACTOR. CONTINUOUS INSPECTION IS REQUIRED FOR:
 - PLACING OF ALL CONCRETE WITH AN FC IN EXCESS OF 2500 PSI.
 - STRUCTURAL STEEL AND TAPERED STEEL GIRDERS, INCLUDING ERECTION BRACING.
 - ALL FIELD WELDING, OR WELDING PERFORMED IN AN UNLICENSED FABRICATING SHOP.
 - ALL CERTIFIED COMPACTED FILL.
 - SUCH OTHER ITEMS AS MAY BE REQUIRED ON PLANS.
- AS A CONVENIENCE TO THE CONTRACTOR, ENGINEER SHALL REVIEW REQUIRED SHOP DRAWINGS AS TO THEIR GENERAL CONFORMANCE TO THE DESIGN CONCEPT. CONTRACTOR SHALL BE RESPONSIBLE, NONETHELESS, FOR COMPLIANCE AND DIMENSIONS AND SHALL SUBMIT SHOP DRAWINGS IF APPLICABLE, FOR THE FOLLOWING:
 - GLULAM BEAMS AND PANELIZED ROOF FRAMING.
 - STRUCTURAL STEEL AND TAPERED STEEL GIRDERS, INCLUDING ERECTION BRACING.
 - PRECAST CONCRETE ELEMENTS, INCLUDING PICKUP POINTS, STRONGBACKS AND BRACINGS, ALL CERTIFIED BY A REGISTERED CIVIL OR STRUCTURAL ENGINEER.
 - CONCRETE POURING SEQUENCE, SHORING DETAILS AND SPECIAL CONSTRUCTION TECHNIQUES (CERTIFICATION MAY BE REQUIRED).
 - SUCH OTHER ITEMS AS MAY BE REQUIRED ON PLANS.CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND COMPLIANCE CERTIFICATES TO THE BUILDING DEPARTMENT WHEN REQUIRED.
- WHERE SOIL REPORT IS CITED, ITS REQUIREMENTS ADOPTED HEREIN.
- ALL MANUFACTURED PRODUCTS MUST BE INSTALLED PER MANUFACTURER'S RECOMMENDATION.

FOUNDATION NOTES

- DESIGN SOIL BEARING PRESSURE IS 1000 PSF AT 18" BELOW GRADE. (ASSUMED)
- REFER TO SOIL REPORT.
NO SOILS REPORT AVAILABLE.

CONCRETE AND EMBEDDED ITEMS

- ALL CONCRETE SHALL BE MIXED, FORMED AND PLACED ACCORDING TO A.C.I. CODE.
- CONCRETE SHALL BE MACHINE-MIXED USING A MAXIMUM OF 7 GALLONS OF WATER PER SACK OF CEMENT. READY-MIX CONCRETE SHALL BE MIXED AND DELIVERED IN ACCORDANCE WITH ASTM C-94. MIXED AT A RATE OF 5 SACKS OF CEMENT PER CUBIC YARD. MAXIMUM SLUMP SHALL BE 5" AS MEASURED BY THE ASTM "STANDARD METHOD OF TESTING FOR SLUMP OF PORTLAND CEMENT CONCRETE".
- CONCRETE SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS, EXCEPTION AS NOTED.
- CEMENT FOR CONCRETE OR MASONRY MORTAR SHALL BE A STANDARD BRAND "PORTLAND CEMENT", MEETING THE REQUIREMENT OF ASTM C-150. CEMENT SHALL BE TYPE II. (USE TYPE V WHERE CITED IN SOILS REPORT)
- AGGREGATES FOR CONCRETE SHALL MEET THE REQUIREMENTS OF ASTM C-33.
- CONTRACTOR MAY USE AN APPROVED WATER REDUCING ADMIXTURE CONFORMING TO ASTM C-494.
- SLAB ON GRADE SHALL BE POURED ON FIRM, MOISTENED, COMPACT EARTH. CONSTRUCTION OR CRACK-CONTROL JOINTS SHALL BE SPACED A MAXIMUM OF 20' APART.
- ALL REINFORCING STEEL, ANCHOR BOLTS AND OTHER INSERTS SHALL BE SECURELY FASTENED IN THE FORMS PRIOR TO POURING CONCRETE.
- ALL BOLTS SHALL HAVE A STANDARD HEAD OR A 1 1/4" 90 DEGREE BEND AT ENDED END. ANCHOR BOLTS SHALL BE SPACED 12 BOLT DIAMETERS MINIMUM. MINIMUM EMBEDMENT OF ANCHOR BOLTS SHALL BE 1" IN FOOTINGS, 5 1/2" IN MASONRY WALLS, AND 4 1/2" INTO VERTICAL CONCRETE SURFACES.
- EXPANSION BOLTS, SUCH AS PHILLIPS RED HEAD, ETC., MAY BE USED IN LIEU OF ANCHOR BOLTS WHERE SPECIAL CONDITIONS WARRANT THEIR USE. PROVIDED THAT WRITTEN APPROVAL OF THE ENGINEER IS OBTAINED. SIZE OF SUCH ANCHORS SHALL BE ONE NOMINAL SIZE LARGER OR THEIR NUMBER SHALL BE INCREASED BY 25% WHERE APPLIED TO VERTICAL SURFACES.
- GROUT SHALL CONSIST OF 1 PART CEMENT, TO NOT MORE THAN 3 PARTS SAND AND NOT LESS THAN 1 PART NOR MORE THAN 2 PARTS FEA GRAVEL, BASED ON DRY LOOSE VOLUMES. GROUT SHALL BE OF FLUID CONSISTENCY. APPROVED ADMIXTURES MAY BE ADDED TO GROUT MIX. GROUT SHALL ATTAIN A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 2000 PSI AT 28 DAYS.
- DRYPACK SHALL CONSIST OF 1 PART CEMENT, 4 PARTS SAND, BASED ON DRY LOOSE VOLUMES AND NOT LESS THAN 1/4 PART NOR MORE THAN 1/2 PART LINE PUTTY OR DRY HYDRATED LIME. DRYPACK SHALL OBTAIN A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 2000 PSI AT 28 DAYS.

REINFORCING STEEL

- REINFORCING STEEL SHALL BE INTERMEDIATE GRADE DEFORMED BARS CONFORMING TO ASTM A-615, GRADE 40 TYPICALLY. LAP BARS A MINIMUM OF 30 DIAMETERS. WHERE GRADE 60 IS REQUIRED ON PLANS, LAP 36 DIAMETERS. STAGGER LAPS WHERE FERMISABLE. LAP BARS A MINIMUM OF 40 DIAMETERS IN MASONRY.
- WIRE MESH SHALL CONFORM TO ASTM A-185. LAP 8" MINIMUM.
- FOOTING DONELS SHALL MATCH VERTICAL WALL OR COLUMN STEEL. LAP 36 DIAMETERS.
- AT ALL OPENINGS IN CONCRETE, CONCRETE BLOCK AND BRICK MASONRY, PROVIDE AT LEAST 2-#5 BARS AT JAMBS, HEAD AND SILL, EXTENDING 2'-0" BEYOND EDGES OF OPENING.
- MINIMUM CONCRETE COVER SHALL BE:
3" ... CONCRETE POURED AGAINST EARTH.
2" ... FORMED CONCRETE WHICH WILL REMAIN IN CONTACT WITH EARTH.
1 1/2" ... BEAMS, MEASURED TO MAIN STEEL COLUMNS MEASURED TO TIES OR SPIRALS, EXPOSED TO EARTH OR WEATHER.
3/4" ... SLABS, INSIDE FACES OF WALLS.

STRUCTURAL STEEL AND WELDING

- ALL WORK SHALL COMPLY WITH "AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
- STRUCTURAL STEEL SHALL CONFORM TO ASTM A-36.
- PIPE COLUMNS SHALL CONFORM TO ASTM A-53, GRADE "B", WITH SULPHUR CONTENT NOT TO EXCEED 0.05%. ENDS SHALL BE SAWCUT SQUARE FOR TRUE BEARING.
- TUBE COLUMNS SHALL CONFORM TO ASTM A-501 OR A-500, GRADE "B".
- BEAM CONNECTIONS SHALL COMPLY WITH "FRAMED BEAM CONNECTIONS", A.I.S.C. PART 4, TABLE I, USING 3/4" DIA. A307 BOLTS (M.B.).
- ALL WELDING SHALL BE BY ELECTRIC ARC PROCESS AND SHALL COMPLY WITH A.I.S.C. SPECIFICATIONS FOR WELDING AND FABRICATION.
- WELDING SHALL BE PERFORMED BY CERTIFIED OPERATORS IN A SHOP LICENSED BY THE LOCAL AUTHORITY.
- LOW HYDROGEN ELECTRODES SHALL BE USED WHEREVER REINFORCING STEEL IS WELDED.
- UNLESS SHOWN, 3/16" SHALL BE MINIMUM WELD FOR ALL STRUCTURAL CONNECTIONS.
- ALL BUTT WELDS SHALL BE FULL PENETRATION UNLESS OTHERWISE DETAILED ON THE PLANS.
- OPEN WEB JOISTS SHALL COMPLY WITH STANDARDS OF THE "STEEL JOIST INSTITUTE".
- A CERTIFICATE OF FABRICATION FROM THE SHOP PERFORMING WELDING OR A REPORT FROM THE SPECIAL INSPECTOR MUST BE FURNISHED TO THE JOB INSPECTOR PRIOR TO FRAMING APPROVAL.
- HIGH STRENGTH BOLTS WHERE INDICATED ON THE PLANS OR DETAILS SHALL CONFORM TO A-325 OR A-440 (FRICION TYPE) AND THERE SHALL BE NO PAINT, OIL, LACQUER OR GALVANIZING BETWEEN THE CONTACT SURFACES.
- HIGH STRENGTH BOLTS SHALL HAVE LOAD INDICATOR WASHERS TO SERVE AS A DIRECT TENSION INDICATOR. INSTALLATION OF HIGH STRENGTH BOLTS SHALL REQUIRE INSPECTION BY A DEPUTY INSPECTOR.
- ALL FIELD WELDING SHALL HAVE CONTINUOUS INSPECTION.
- CLOSURE PLATES AND CONTINUOUS BENT PLATES AT DECK EDGE SHALL CONFORM TO ASTM A-446.

WOOD CONSTRUCTION

- STRUCTURAL LUMBER SHALL BE GRADE-MARKED DOUGLAS FIR-LARCH PER STANDARD GRADING & DRESSING RULES #16 OF WEST COAST LUMBER INSPECTION BUREAU.

RAFTERS	2" TO 4" WIDE, UP TO 6' DEEP	NO. 1
	2" TO 4" WIDE, 6' OR LARGER	NO. 1
JOISTS	2" TO 4" WIDE, 6" & DEEPER	NO. 1
BEAMS, PURLINS	OVER 4" WIDE	NO. 1
SUB-PURLINS	2" TO 4" WIDE, 4" DEEP	NO. 1
LEDGERS	2" TO 4" WIDE, 4" DEEP	NO. 2
STUDS	2" X 4" OR 3" X 4"	NO. 1
STUDS	2" X 6"	NO. 1
POSTS		NO. 1
SILLS, PLATES AND BLOCKING		NO. 2

EXCEPTION TO THE ABOVE SHALL BE NOTED ON PLAN.
- SILLS OR PLATES BEARING ON CONCRETE OR MASONRY WHICH IS WITHIN 48" OF EARTH SHALL BE PRESSURE TREATED, OR EQUAL, WOOD PER U.B.C. STD. 25-12. SILLS SHALL BE BOLTED TO THE FOUNDATION WITH 1/2" DIAMETER X 10" BOLTS AT 4'-0" O.C., 12" MIN. FROM ENDS OR 2 BOLTS MIN. PER PIECE. WHERE DIFFERENT BOLT SIZES AND/OR SPACINGS ARE REQUIRED, THEY SHALL GOVERN.
- PLACE 2" FIREBLOCKING IN STUD WALLS & CEILINGS & FLOOR LEVELS, @ EACH 10' HEIGHT OF STUDS, & BETWEEN STAIR STRINGERS & SUPPORTS.
- JOISTS SHALL BE BLOCKED AT SUPPORTS & BRIDGED OR BLOCKED AT INTERVALS OF 8' WHERE JOISTS ARE 2" X 12" OR DEEPER.
- JOISTS UNDER NON-BEARING PARTITIONS SHALL BE DOUBLED, AND TRIPLED FOR BEARING PARTITIONS ABOVE, EXCEPT AS NOTED.
- PLYWOOD SHALL BE "STRUCTURAL EXTERIOR" PER AMERICAN PLYWOOD ASSOCIATION P.S. 1-89. 1/2" PLYWOOD SHALL HAVE A MIN. OF 4 PLYS, WHERE 1/2" CDX PLYWOOD IS SPECIFIED, A MIN. OF 5 PLYS IS REQUIRED.
- COMMON NAILS SHALL BE USED.
- LASBOLTS (& SCREWS) SHALL BE PREDRILLED TO SHANK DIAMETER AND FULL DEPTH AND SCREWED (NOT DRIVEN) INTO PLACE.
- CUT WASHERS SHALL BE PLACED UNDER HEADS & NUTS OF ALL BOLTS & UNDER HEADS OF LASBOLTS. ONE CUT WASHER SHALL BE USED FOR BOLTS CONNECTING WOOD LEDGERS TO CONCRETE OR MASONRY.

GLULAM BEAMS & GLULAM POSTS

- ALL GLUED LAMINATED BEAMS AND POSTS SHALL COMPLY WITH "STANDARD SPECIFICATIONS FOR STRUCTURAL GLUED LAMINATED DOUGLAS FIR (COAST REGION) TIMBER". (DRY CONDITION OF USE).
- BEAMS SHALL BE COMBINATION 24F-V4 (USE COMB. 24F-V8 FOR CANTILEVER BEAMS).
- "POSTS SHALL BE COMBINATION I.
- APPEARANCE GRADE SHALL BE "ARCHITECTURAL" UNLESS OTHERWISE NOTED.
- SERVICE TEMPERATURE OF THE BUILDING SHALL NOT EXCEED 150 DEGREES FAHRENHEIT.
- GLUE SHALL BE EXTERIOR TYPE AND SHALL CONFORM TO U.S. COMMERCIAL STANDARD C6253-63.
- FABRICATOR SHALL SUBMIT A CERTIFICATE OF INSPECTION TO THE BUILDING DEPARTMENT FOR EACH BEAM AND POST PRIOR TO ERECTION.
- WHERE BEAMS USED IN PANELIZED ROOF STRUCTURES FABRICATOR SHALL VERIFY ADEQUACY OF ROOF DRAINAGE AND SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW.

TYPICAL LUMBER NAILING SCHEDULE

NAILING SHOWN IS TYPICAL EXCEPT AS NOTED ON PLANS. USE COMMON NAILS.

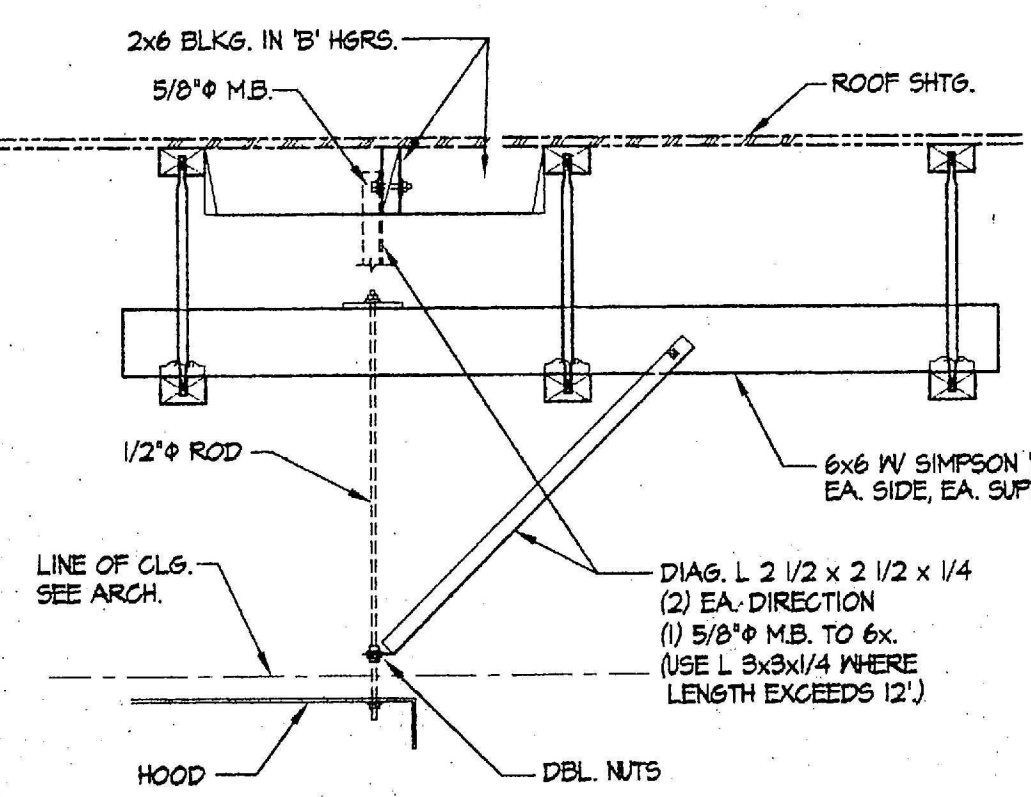
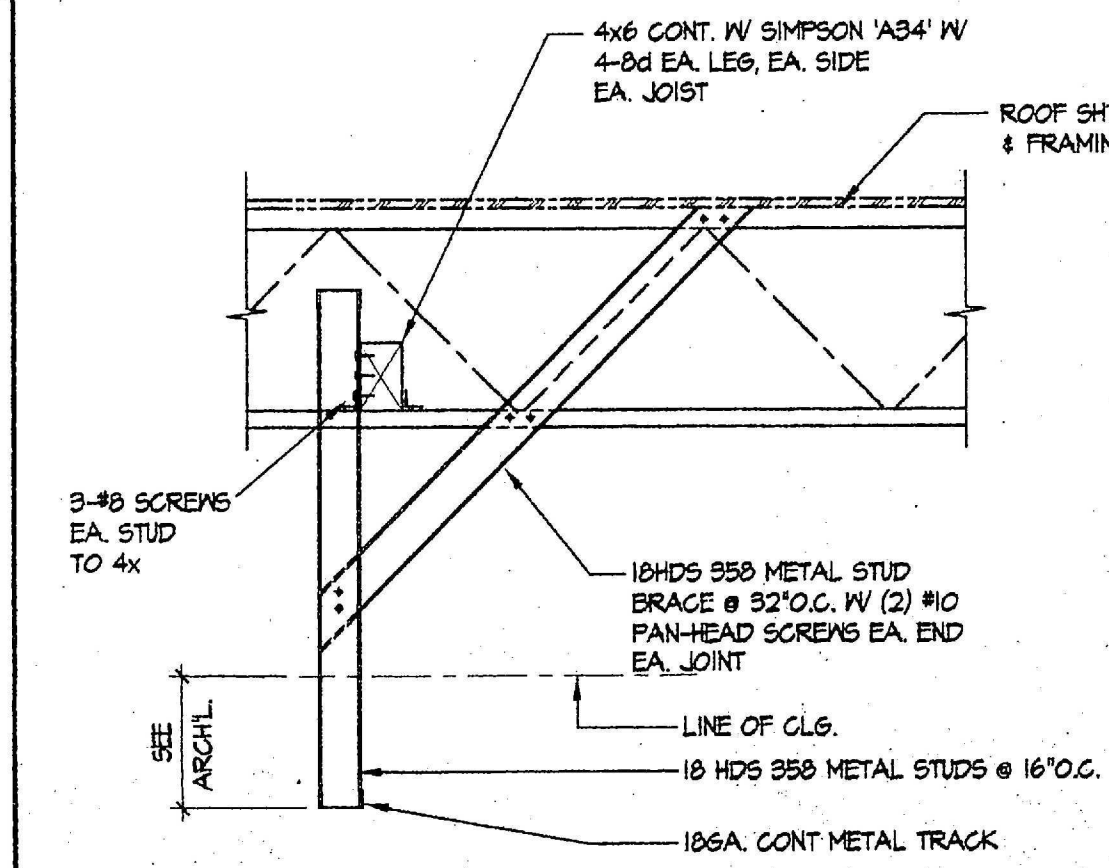
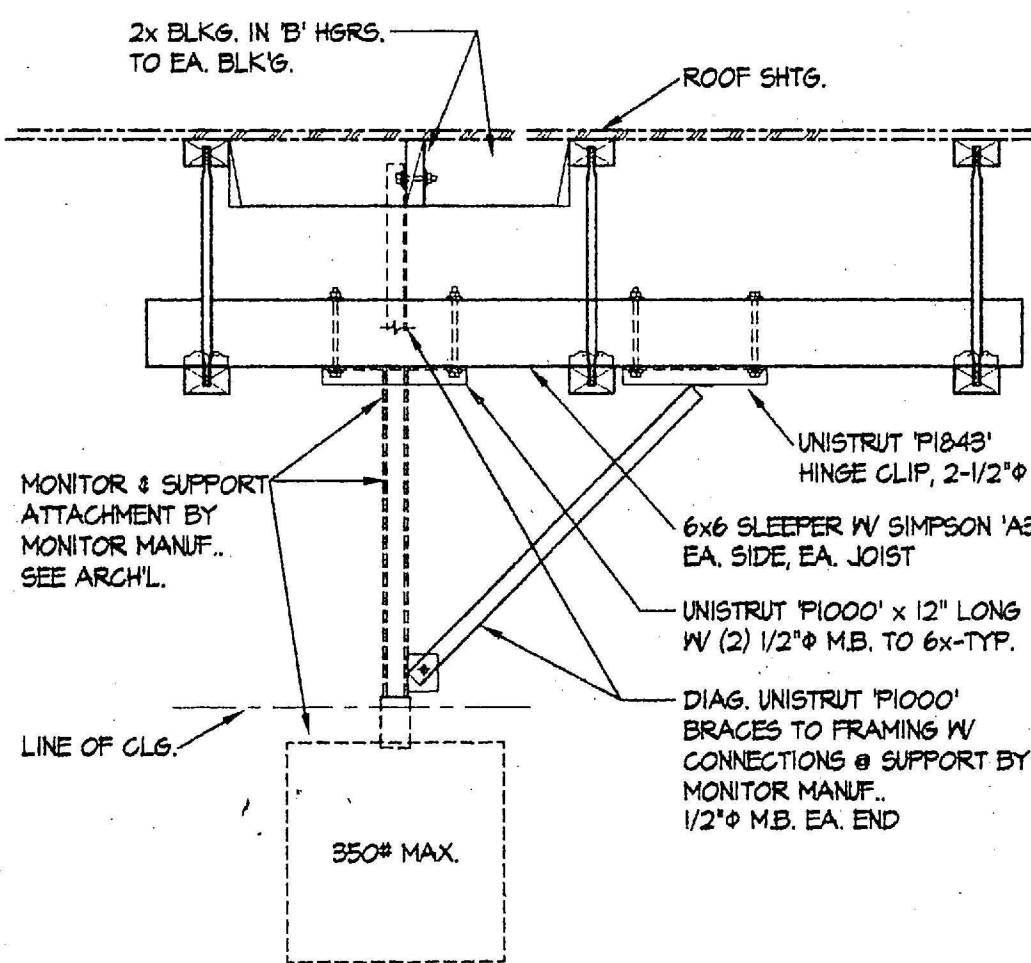
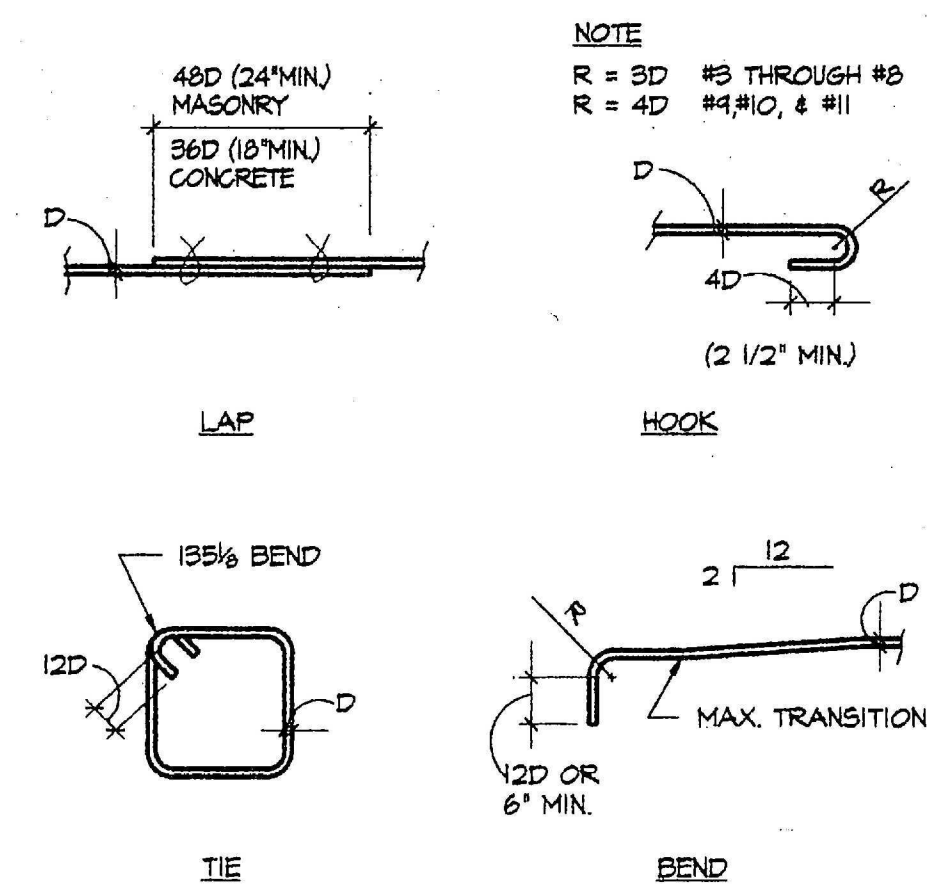
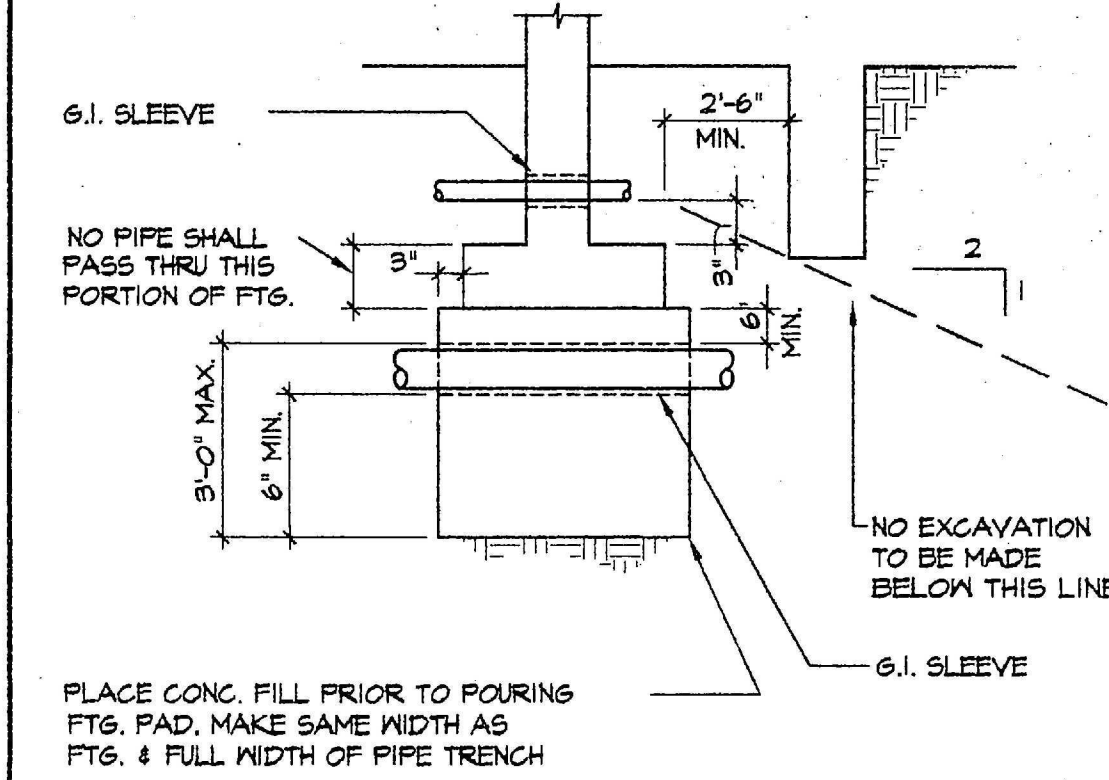
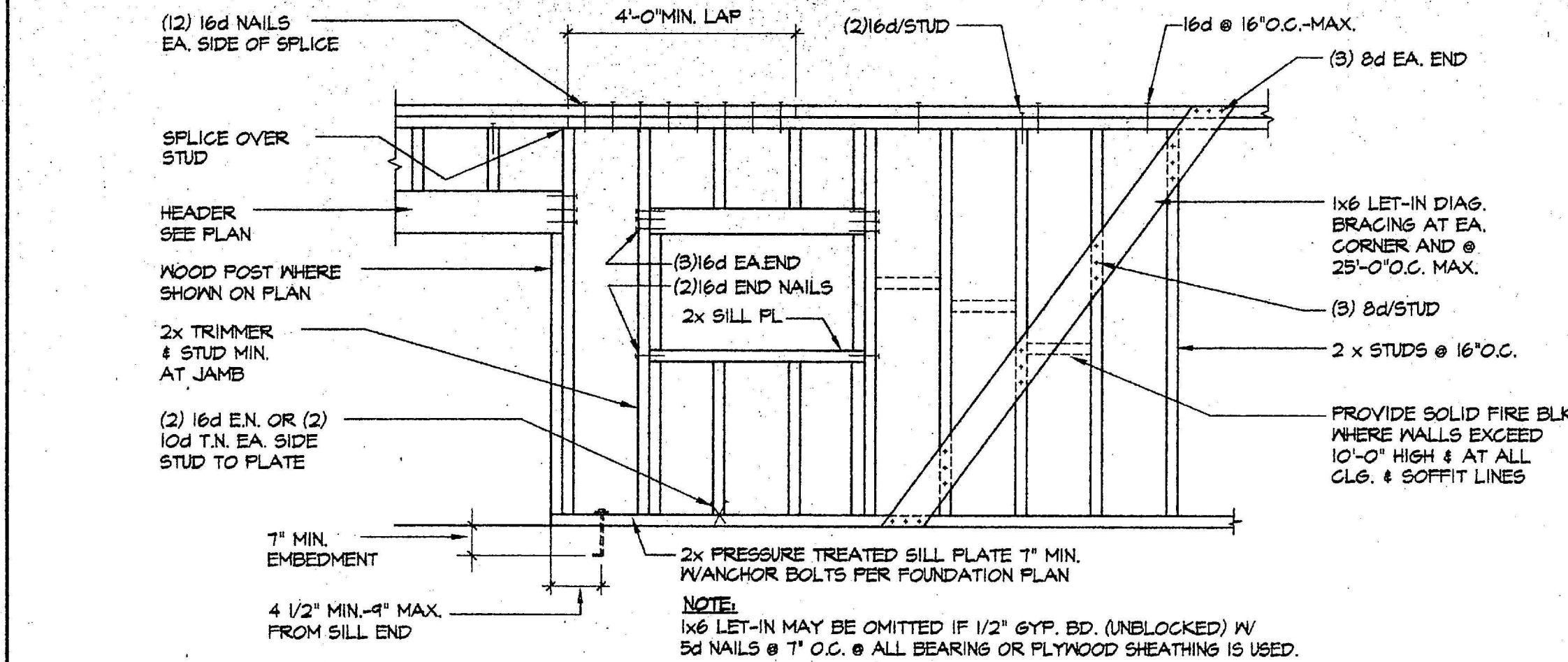
CONNECTION

- JOIST TO SILL OR GIRDER, TOENAILS 3-8d
- BRIDGING TO JOIST, TOE NAIL EACH END..... 2-8d
- 1" X 6" SUBFLOOR OR LESS TO EACH JOIST, FACE NAIL 2-8d
- WIDER THAN 1" X 6" SUBFLOOR TO EACH JOIST, FACE NAIL 3-8d
- 2" SUBFLOOR TO JOIST OR GIRDER, BLIND AND FACE NAIL..... 2-16d
- SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL..... 16d AT 16" O.C.
- TOP PLATE TO STUD, END NAIL..... 2-16d
- STUD TO SOLE PLATE..... 2-16d END NAILS OR 4-8d TOE NAILS
- DOUBLE STUDS, FACE NAIL..... 16d AT 16" O.C.
- DOUBLED TOP PLATES, FACE NAIL..... 16d AT 16" O.C.
- TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL..... 2-16d
- CONTINUOUS HEADER, TWO PIECES..... 16d AT 16" O.C. ALONG EACH EDGE
- CEILING JOISTS TO PLATE, TOE NAIL..... 3-8d
- CONTINUOUS JOIST TO STUD, TOE NAIL..... 3-8d
- CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL..... 3-16d
- CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL..... 3-16d
- RAFTER TO PLATE, TOENAIL..... 3-8d
- 1" BRACE TO EACH STUD AND PLATE, FACE NAIL..... 2-8d
- 1" X 8" SHEATHING OR LESS TO EACH BEARING, FACE NAIL..... 2-8d
- WIDER THAN 1" X 8" SHEATHING TO EACH BEARING, FACE NAIL..... 3-8d
- BUILT-UP CORNER STUDS..... 16d AT 24" O.C.
- BUILT-UP GIRDER AND BEAMS..... 20d AT 24" O.C. AT TOP AND BOTTOM STAGGERED
- 2" PLANKS..... 2-16d AT EACH BEARING

FOOTING SCHEDULE

MARK	FOOTING SIZE	THICKNESS	REINFORCEMENT
F-1	3'-0" SQ.	18"	(4)#5 E.M.
F-2	5'-0" SQ.	18"	(6)#5 E.M.

NOTE:



REVISIONS	BY

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BURSON AND WILLIAMS
PROJECT ADMINISTRATOR

CHUCK E. CHEESE'S PIZZA - #413

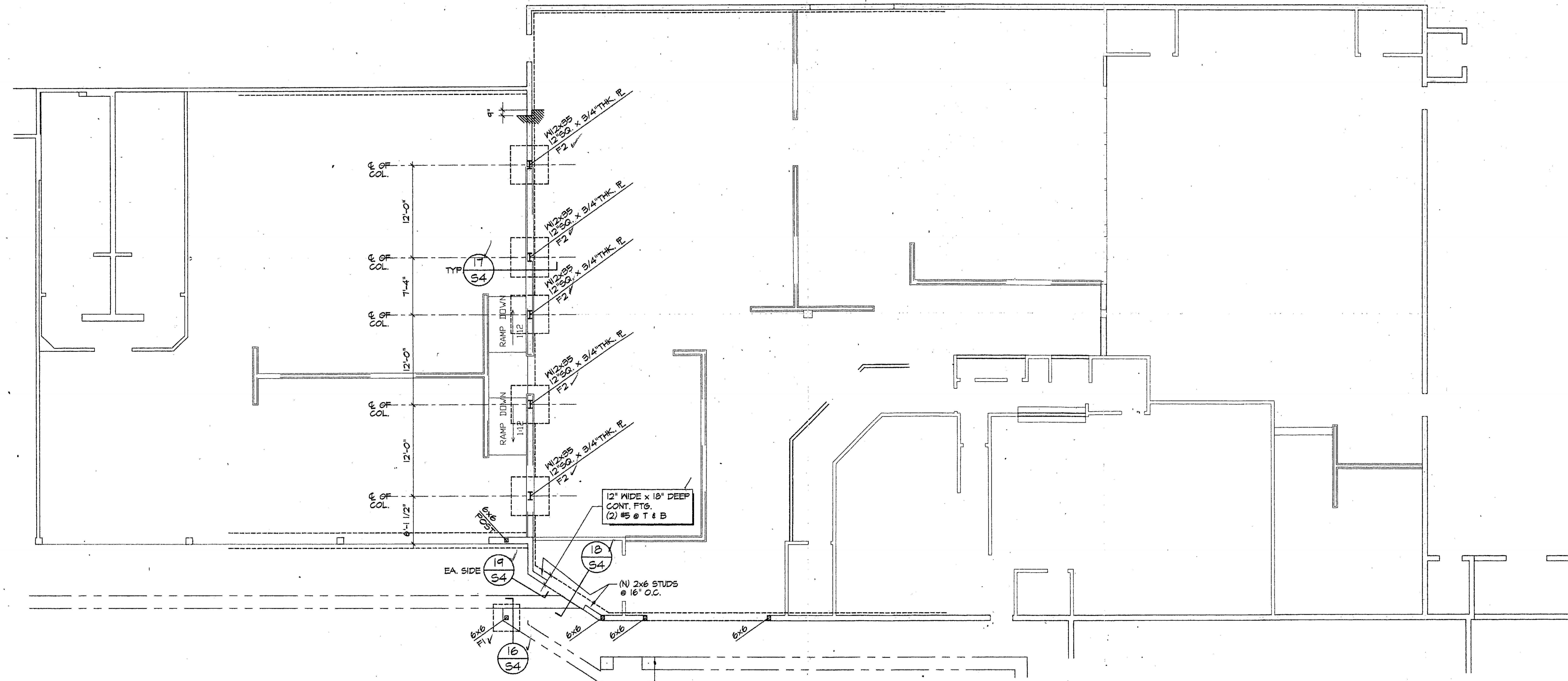
601 AZUSA AVE.
Covina, CA

REGISTERED PROFESSIONAL ENGINEER
No. 2244
5/26/2010
STRUCTURAL
STATE OF CALIFORNIA

GENERAL NOTES
AND DETAILS

DRAWN
DSN
CHECKED
RS
DATE
6-12-10
SCALE
NOTED
JOB NO.
18168
SHEET

S1
OF SHEETS



FOUNDATION PLAN
SCALE: 1/8" = 1'-0"



FOUNDATION NOTES:

- SEE FOUNDATION NOTES ON SHEET S1 FOR DESIGN SOIL BEARING PRESSURE, ETC...
- F-1' INDICATES FOOTING SIZE, SEE SCHED. ON SHT. S1
- ALL EXTERIOR AND INTERIOR WALLS & SHEAR WALLS SHALL BE 2X6 STUDS @ 16" O.C., EXCEPT AS NOTED.
- ◇ INDICATES SHEAR WALL, SEE SCHED. ON SHT. S1
- SEE $\frac{2}{S1}$ FOR TYPICAL STUD WALL FRAMING DETAIL.
- SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS & CONDITIONS NOT SHOWN.
- FOR STEPPED FOOTING DETAIL SEE $\frac{6}{S1}$
- SEE ARCHITECTURAL DRAWINGS FOR FLOOR SLOPES & DRAINS.
- ALL ITEMS SHOWN ARE NEW UNLESS OTHERWISE NOTED.
- = NEW FOOTING

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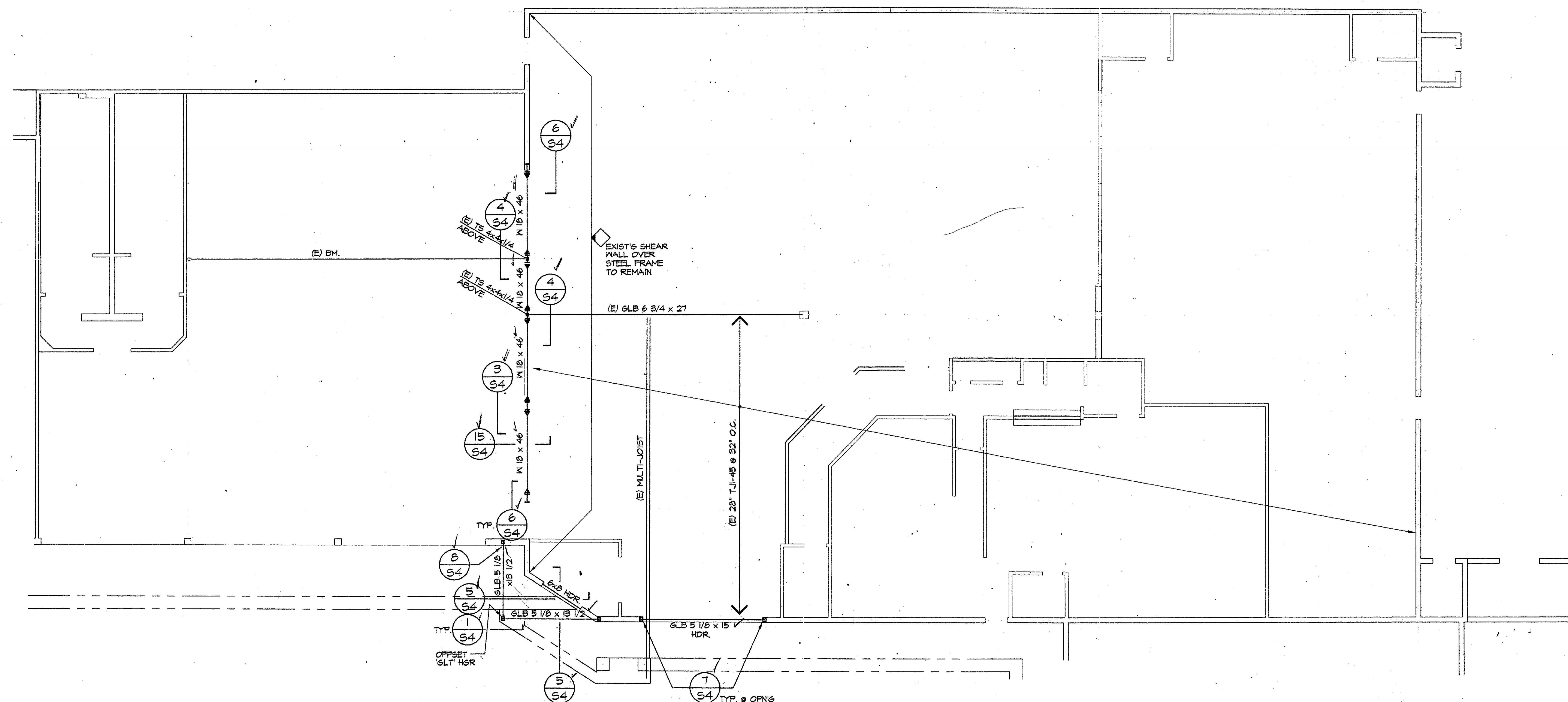
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CHUCK E. CHEESE'S PIZZA - #413
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Covina, CA

FOUNDATION PLAN

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6-12-98
SCALE
1/8" = 1'-0"
JOB NO.
40160
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S2
OF SHEETS



ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

FRAMING NOTES:

1. PROVIDE DOUBLE TRIMMERS EACH END OF 4X8 OR LESS HEADER (OR BEAMS) AND WOOD POST EACH END OF 4X10 OR GREATER HEADERS (OR BEAMS) EXCEPT AS NOTED.
2. PROVIDE MULTIPLE STUDS UNDER MULTIPLE JOISTS.
3. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS & CONDITIONS NOT SHOWN.
4. FOR STUD BOLTING AT STUD COLUMNS SEE $\frac{8}{S1}$.
5. ALL ITEMS SHOWN ARE NEW UNLESS NOTED OTHERWISE.

REVISIONS	BY

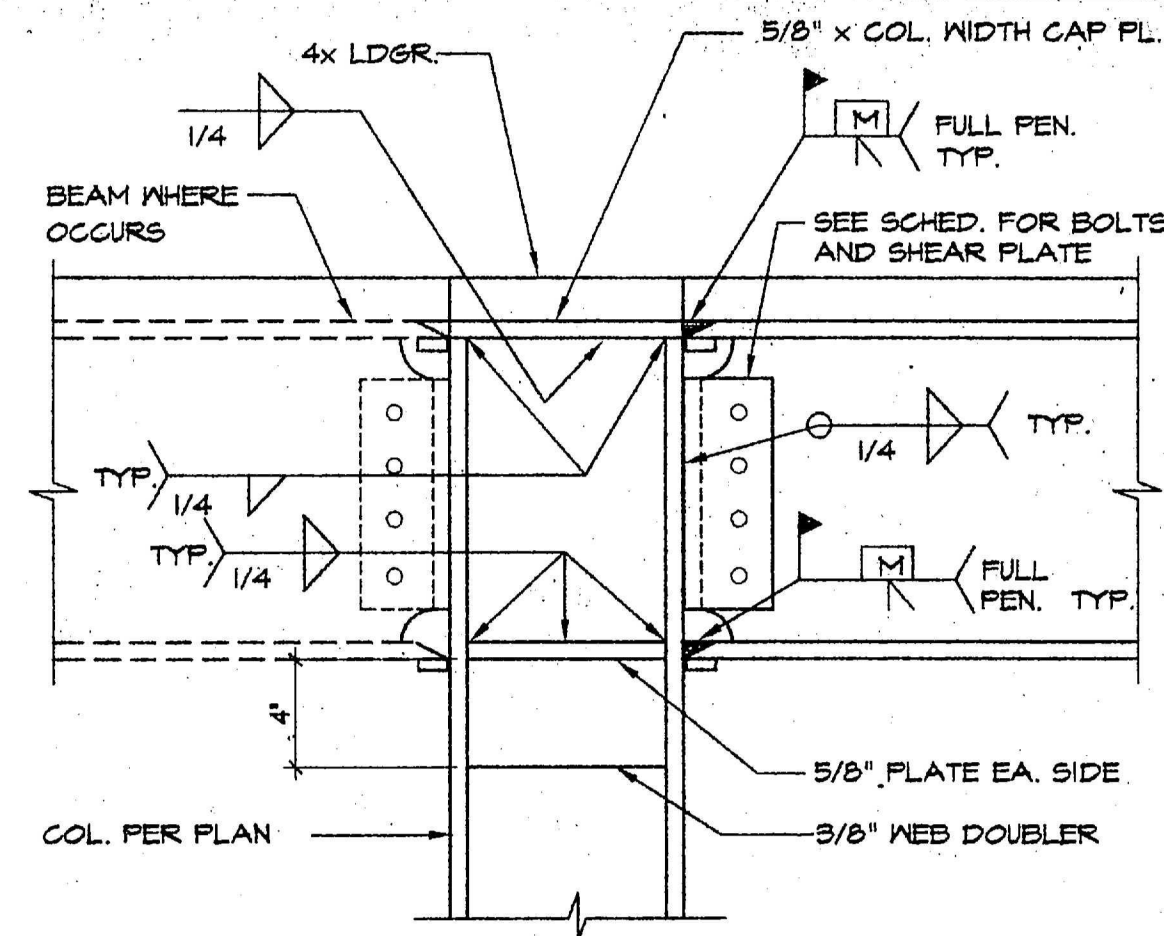
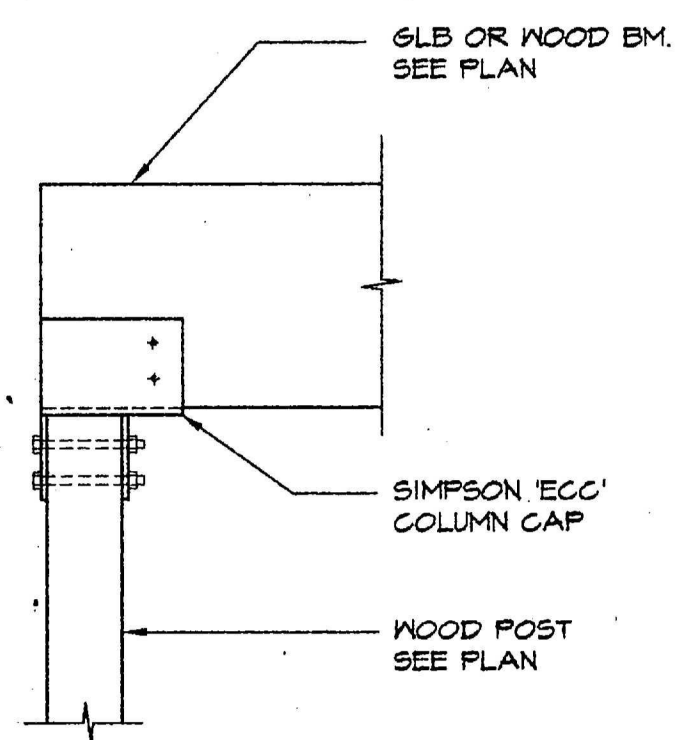
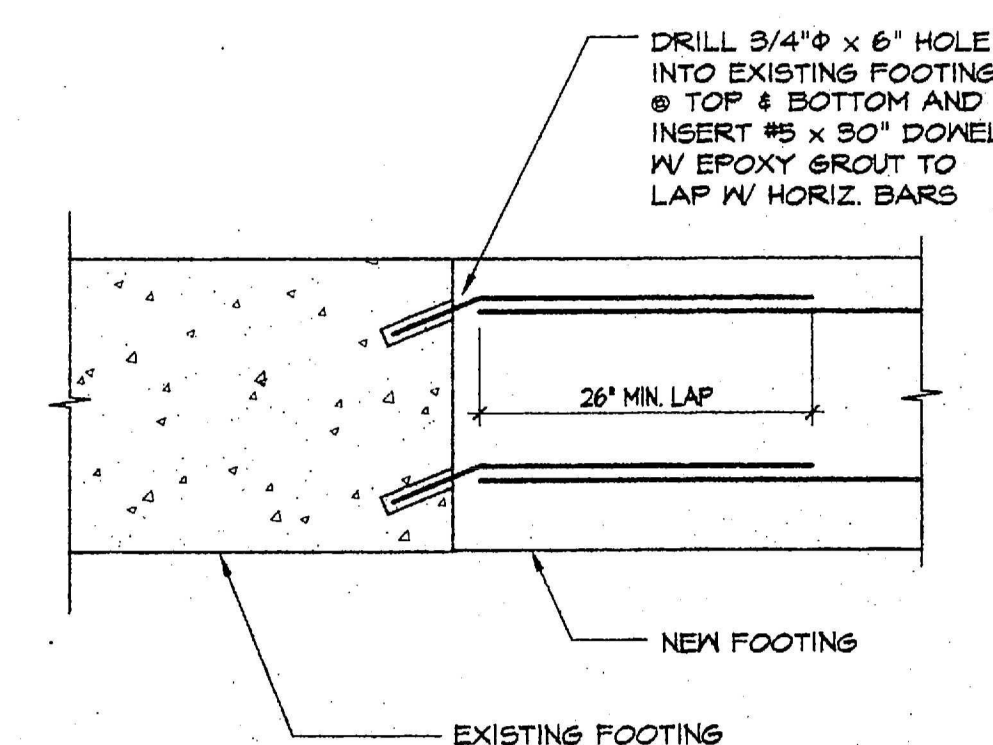
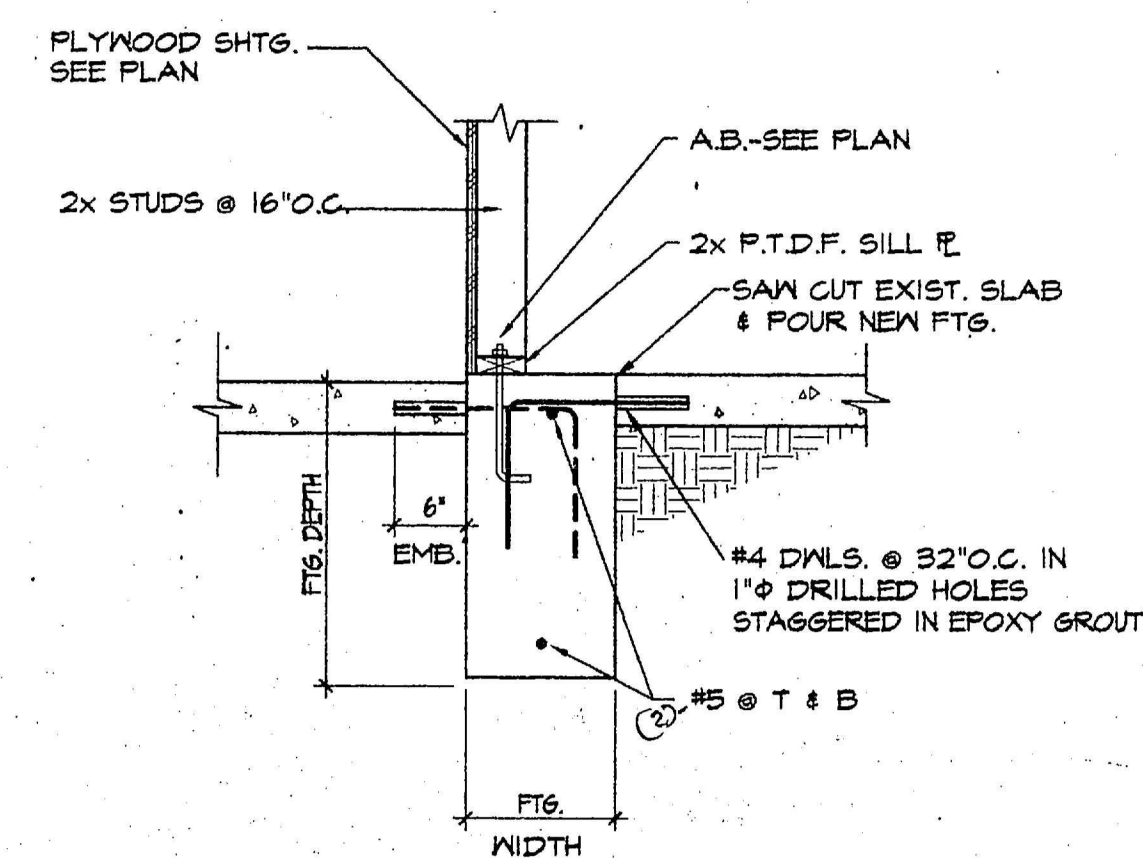
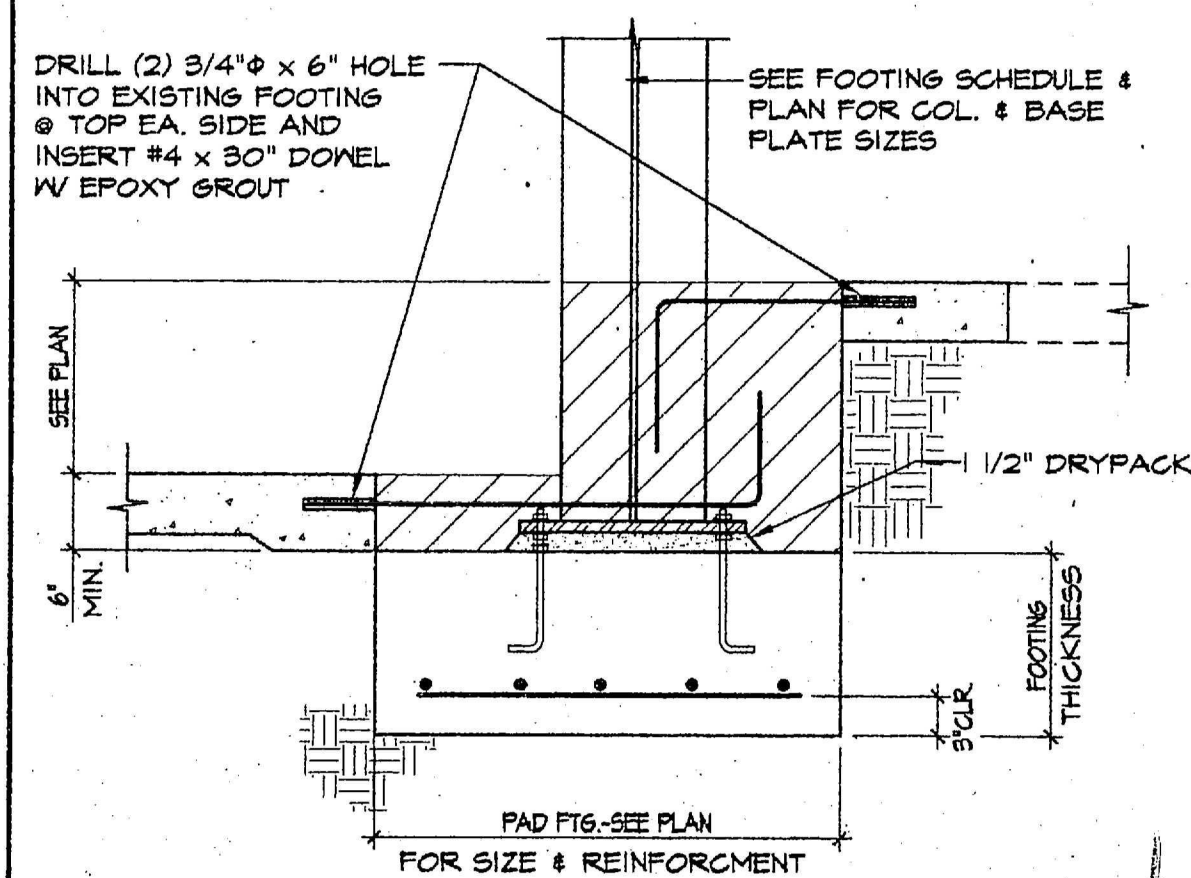
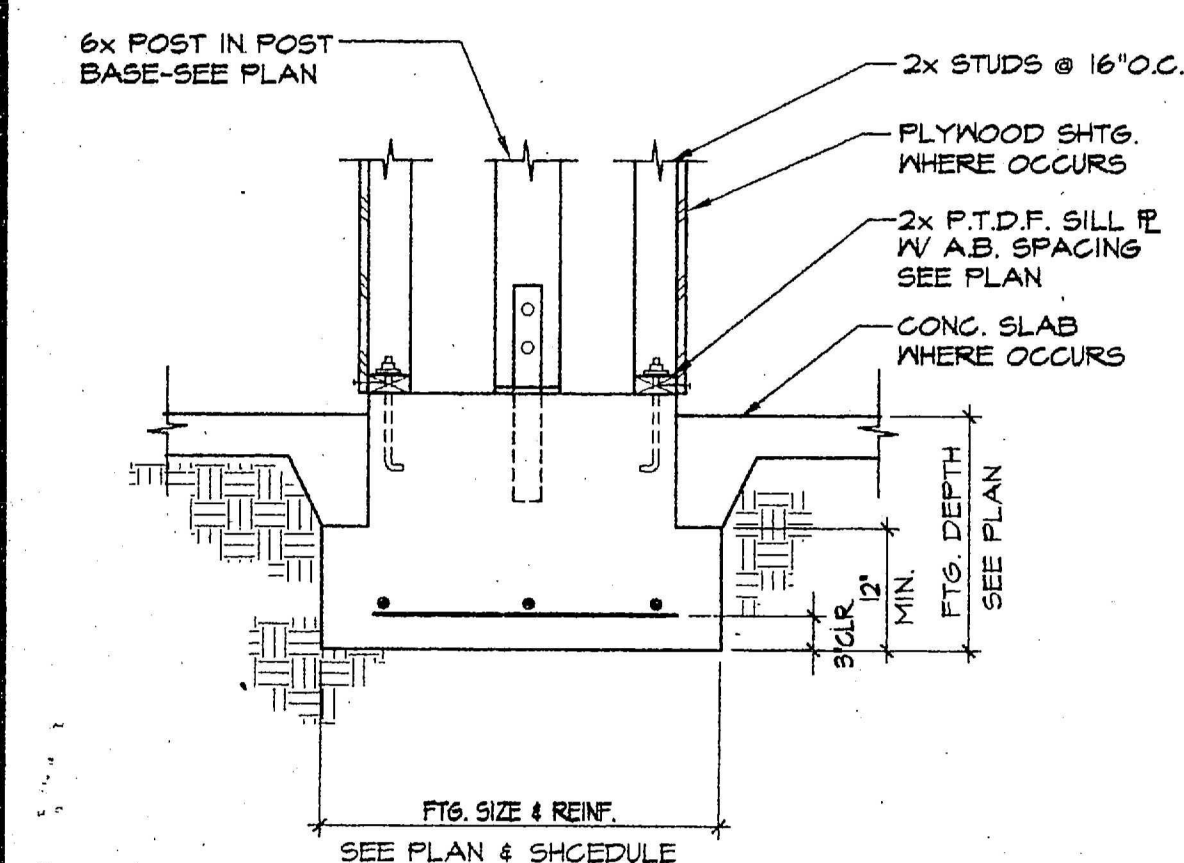
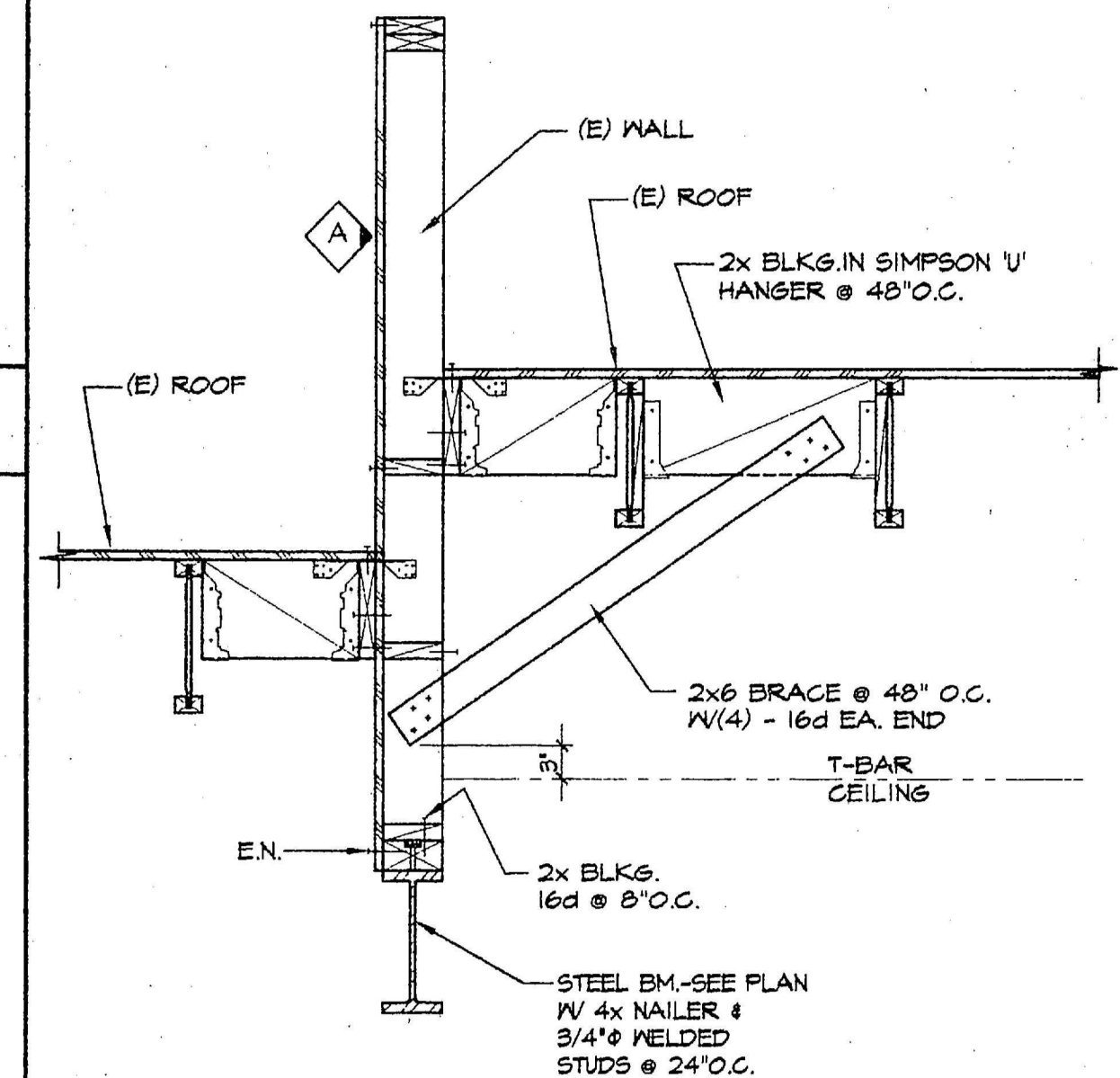
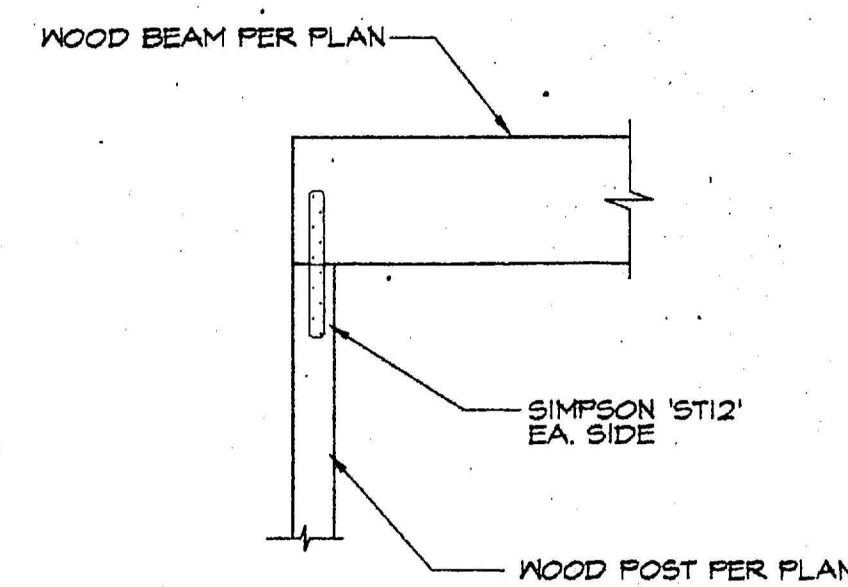
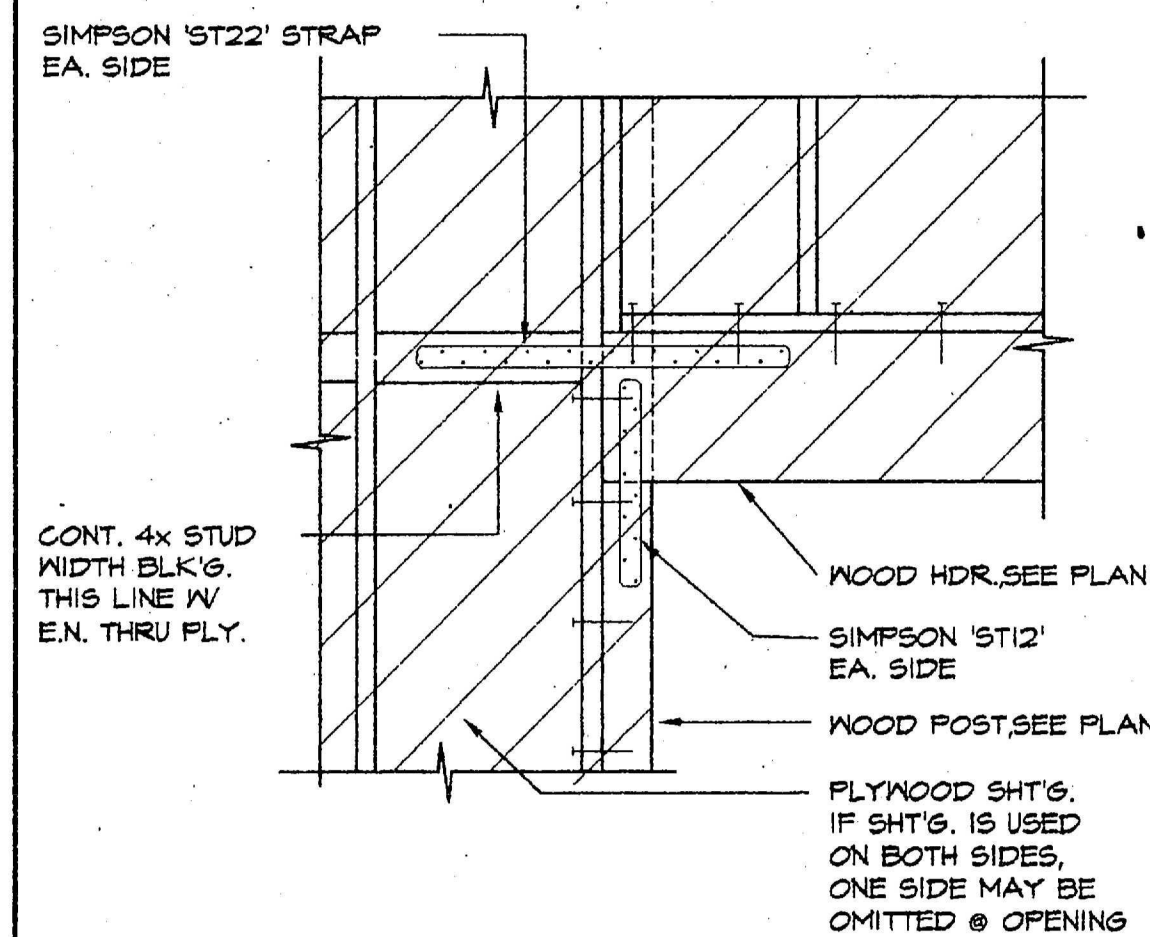
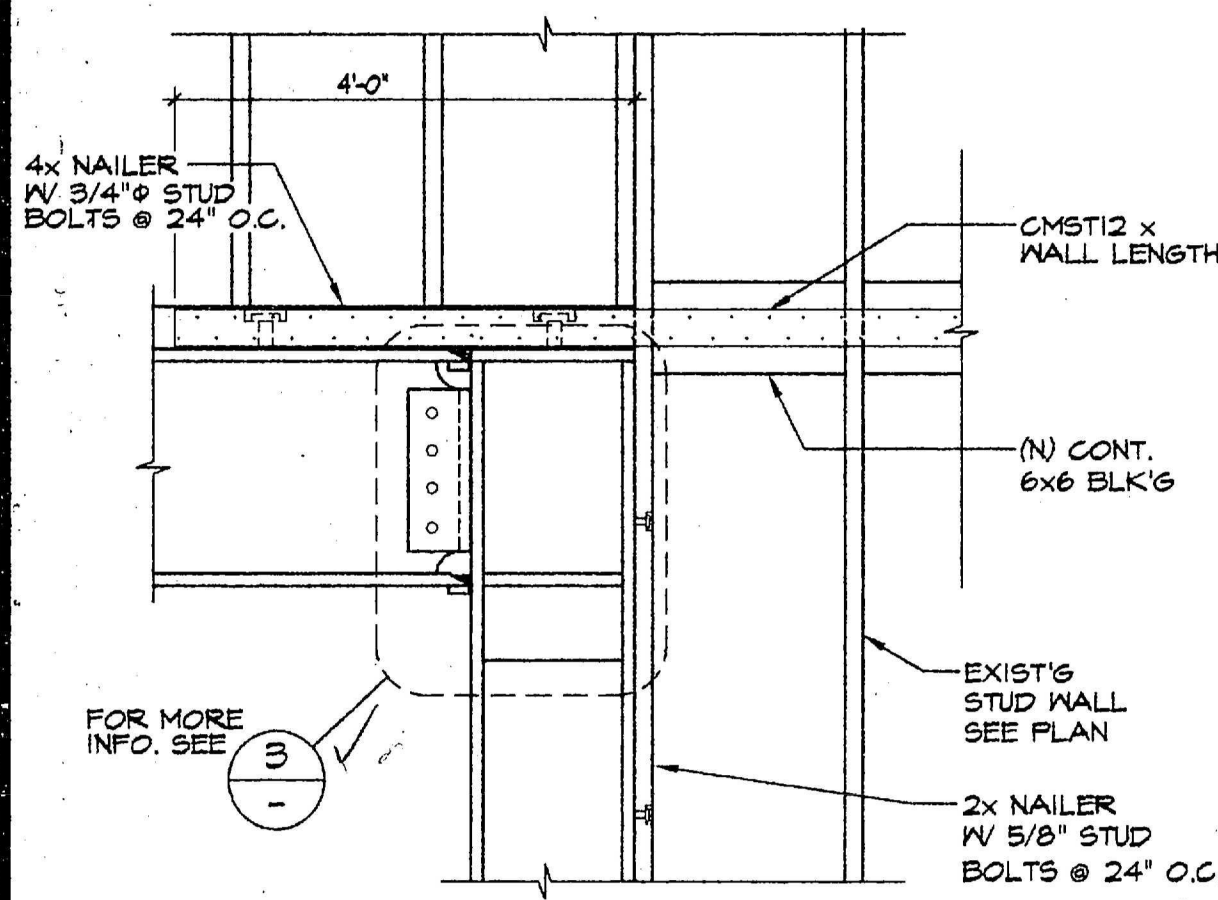
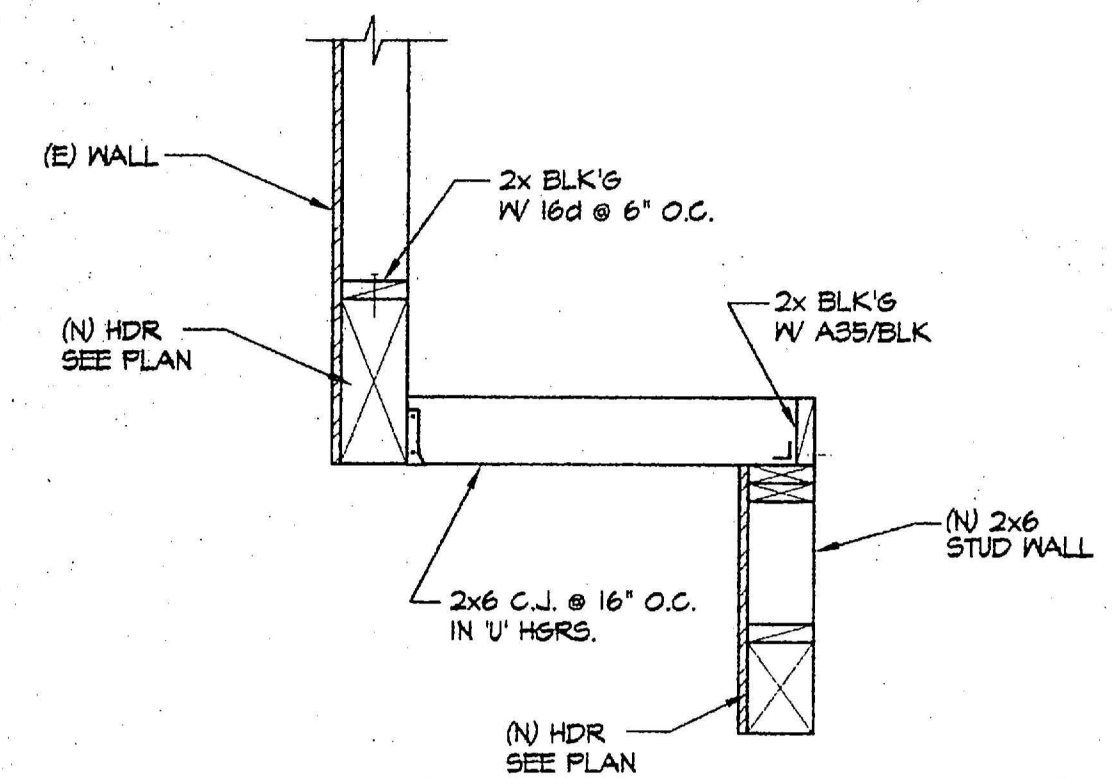
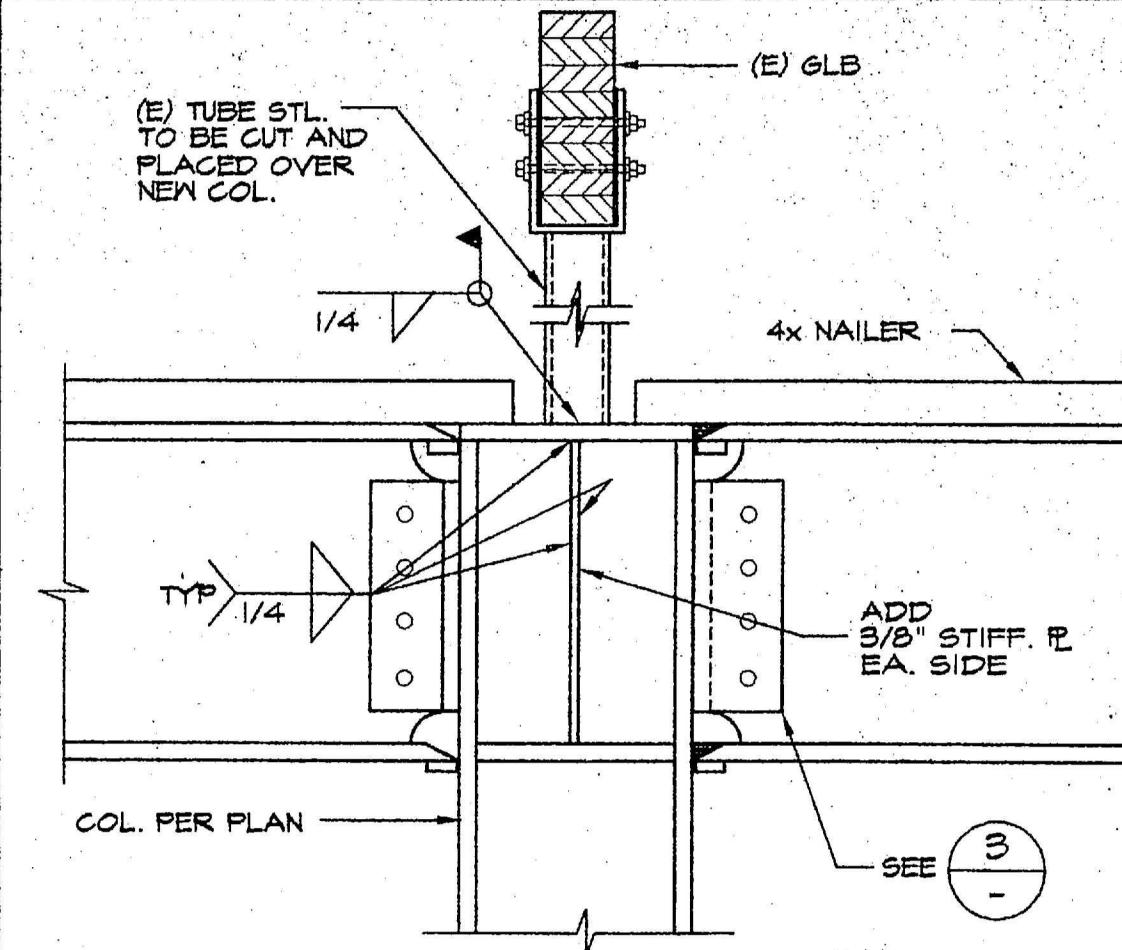
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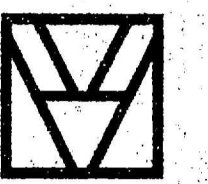
CHUCK E. CHEESE'S PIZZA - #413
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ROOF FRAMING PLAN

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1/8" = 1'-0"
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48168
SHEET
S3
OF SHEETS

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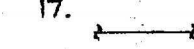
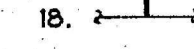
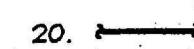
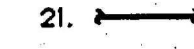
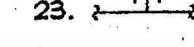
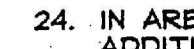
DETAILS

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4" = 1'-0"
JOB NO:
98168
SHEET

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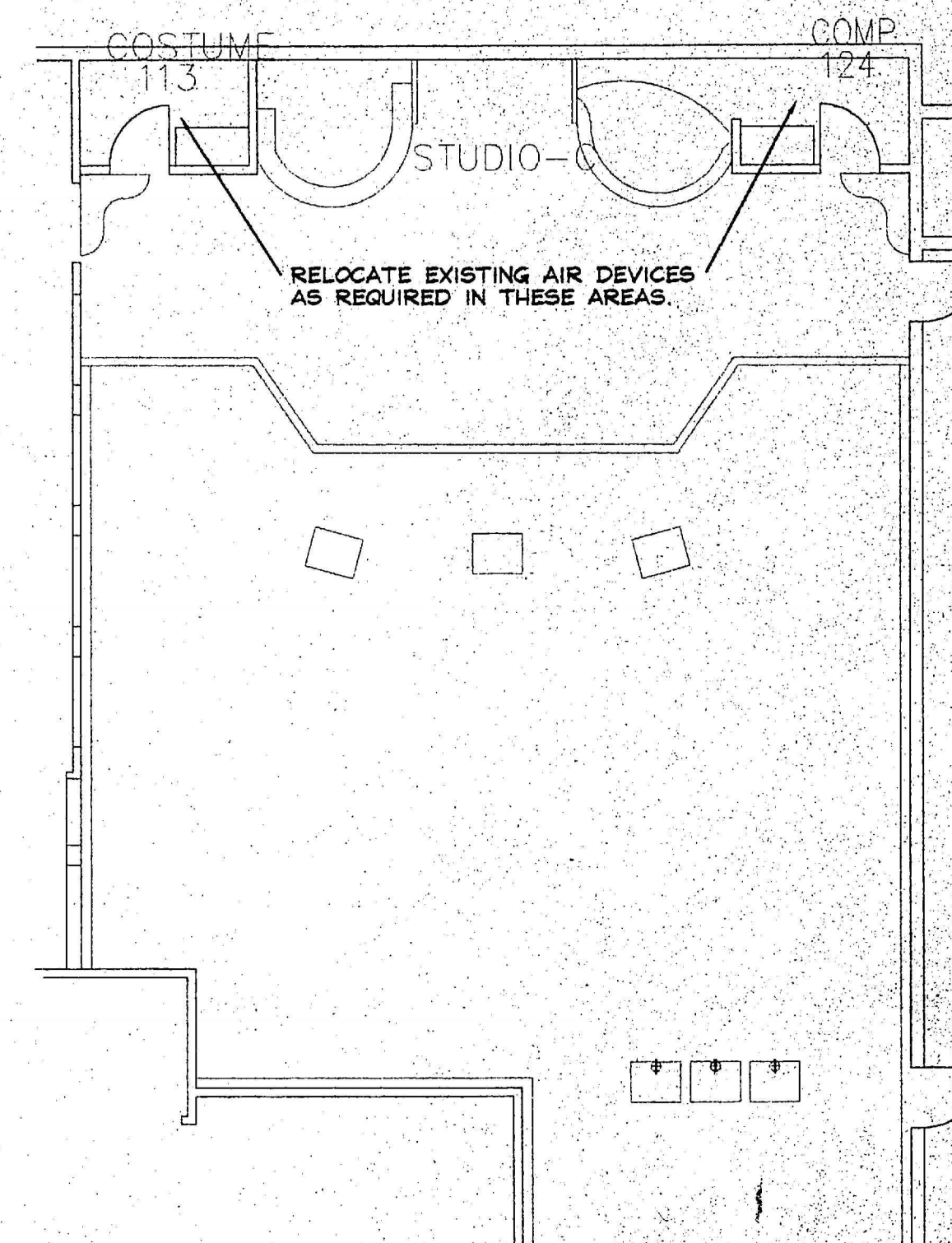
GENERAL NOTES: (TYPICAL FOR PROJECT)

1. MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE CONTRACT DOCUMENTS AND APPLICABLE CODES AND STANDARDS. SHOULD THE CONTRACTOR PERFORM ANY WORK THAT DOES NOT COMPLY WITH THE REQUIREMENTS OF APPLICABLE CODES AND STANDARDS, THE CONTRACTOR SHALL BEAR ALL COSTS ARISING IN CORRECTING SUCH DEFECT. APPLICABLE CODES AND STANDARDS SHALL INCLUDE ALL ORDINANCES, UTILITY COMPANY REGULATIONS, AND APPLICABLE REQUIREMENTS OF NATIONAL, STATE AND LOCAL CODES AND STANDARDS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL CONTROLS THAT WILL COMPLETELY ACCOMPLISH THE IMPLIED OR INTENDED FUNCTIONS OF THE CONTROL SYSTEM AS SHOWN OR INDICATED ON THE DWGS.
3. ALL DUCTWORK IS SHOWN IN SCHEMATIC FORM. DUCT RISES AND DROPS ARE NOT SHOWN. PROVIDE OFFSETS AS REQUIRED TO MEET SPACE REQUIREMENTS AND TO AVOID INTERFERENCE WITH OTHER TRADES. EACH TRADE SHALL BE TOTALLY RESPONSIBLE FOR COORDINATION WITH OTHER TRADES.
4. PIPING IS SHOWN IN SCHEMATIC FORM. ROUTE PIPING AS REQUIRED FOR CLEARANCE WITH STRUCTURAL CONDITIONS. COORDINATE WITH OTHER TRADES AS REQUIRED. PIPING SHALL BE INSTALLED WITH ADEQUATE SLOPE AS REQUIRED FOR EACH PARTICULAR SYSTEM.
5. DUCTWORK AND ITS CONSTRUCTION WILL BE CONSTRUCTED ACCORDING TO SMACNA STANDARDS.
6. ROUND FLEXIBLE SUPPLY DUCTWORK TO DIFFUSERS SHALL NOT EXCEED 5'-0" IN LENGTH.
7. DUCTWORK SIZES SHOWN ON PLANS ARE CLEAR AIRSTREAM DIMENSIONS.
8. PROVIDE 1" ACOUSTIC (1-1/2 P.C.F.) DENSITY INTERNAL DUCT LINER (15'-0" MINIMUM) DOWNSTREAM OF THE R.T.U. SUPPLY AND RETURN AIR DUCTS. INSULATE EXTERNALLY ALL UNLINED DUCTS WITH 1-1/2" - 3/4" P.C.F. DENSITY GLASS FIBER WRAP WITH HEAVY DUTY FOIL - SCRIM KRAFT FACING.
9. THERMOSTAT AND TEMP. SENSOR LOCATIONS AND WALL ELEVATION SHALL BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION.
10. PROVIDE FLEXIBLE DUCTWORK CONNECTIONS AT EQUIPMENT.
11. PROVIDE A SMOKE DETECTOR IN THE SUPPLY AIR DUCTWORK FOR ANY AIR HANDLING EQUIPMENT 2000 CFM OR GREATER. HARDWARE TO MOTOR STARTER.
12. MECHANICAL CONTRACTOR SHALL COORDINATE DUCT RUNOUTS EXACTLY OVER THE TOP OF THE RETURN GRILLES (IE: WITHOUT ANY DUCT OFFSETS) WITH THE ARCH. RCP GRIDS AND THE CEILING SUPPLIER.

13. CONNECTIONS TO AND SHUTDOWNS ON EXISTING SYSTEMS SHALL BE COORDINATED WITH OWNER TO ALLOW MINIMUM INTERFERENCE WITH OWNER'S OPERATION AND DOWNTIME OF EXISTING SERVICES. CONTRACTOR SHALL SUBMIT TO OWNER FOR REVIEW AND APPROVAL THE PROPOSED PHASING PLAN FOR CONNECTING NEW SERVICES TO EXISTING SERVICES.
14. ALL EXISTING SYSTEMS EQUIPMENT AND MATERIALS WITHIN REMODEL AREA OF BUILDING, EXCEPT WHERE NOTED ON MEP DOCUMENTS TO CHANGE, SHALL BE LEFT INTACT AND OPERATIONAL.
15. CONTRACTOR SHALL ABANDON IN PLACE, WHERE NOT REQUIRED TO BE REMOVED FOR NEW WORK OR NOTED TO BE DEMOLISHED, ALL NON-ACTIVE DUCTWORK, PIPING, CONTROLS AND APPURTENANCES. DEMISED AREAS SHALL BE LEFT IN A CLEAN, ORDERLY CONDITION.
16. BALANCING OF WATER AND AIR SYSTEMS SHALL BE PROVIDED UNDER THIS CONTRACT FOR ALL SYSTEMS WITHIN DEMOLITION/NEW CONSTRUCTION BOUNDARIES AND ADJACENT AREAS THAT MAY BE AFFECTED BY BALANCING FOR THE PROJECT.
17.  INDICATES EXISTING DUCTWORK, PIPING AND EQUIPMENT TO BE REMOVED.
18.  INDICATES CONNECT NEW TO EXISTING.
19.  INDICATES EXISTING TO REMAIN.
20.  INDICATES NEW DUCTWORK, PIPING AND EQUIPMENT TO BE ADDED.
21.  INDICATES NEW DUCTWORK, PIPING AND EQUIPMENT ON ROOF, BELOW SLAB OR BELOW GRADE.
22.  INDICATES EXISTING EQUIPMENT WHICH IS RELOCATED TO A NEW POSITION AND REUSED.
23.  INDICATES EXISTING DUCT OR TAPS WHICH SHALL BE CAPPED AIRTIGHT AND FLUSH (IE: PLASTIC SEALED GALVANIZED SHEET METAL DUCT PATCH) TO EXISTING DUCTWORK.
24. IN AREAS WHERE EXISTING CONSTRUCTION IS REMOVED AND NO ADDITIONAL CONSTRUCTION IS INDICATED, PATCH EXISTING ADJACENT CONSTRUCTION TO MATCH.

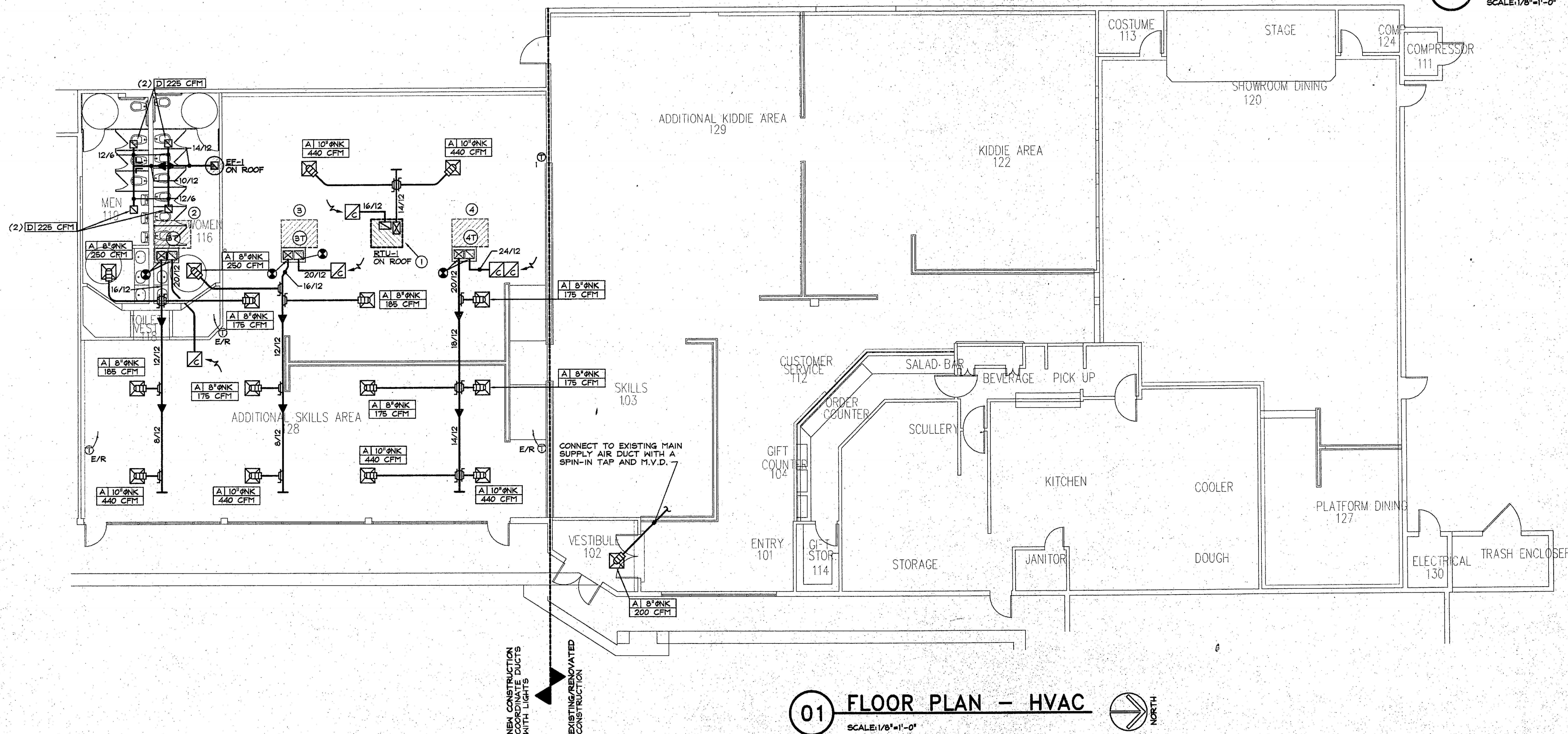
NOTES BY SYMBOL

1. CONNECT NEW INSULATED 3/4" CONDENSATE DRAIN LINE TO EXISTING CONDENSATE MAIN. M.C. SHALL VERIFY MAIN EXACT LOCATION.
2. REBALANCE EXISTING 3 TON ROOFTOP UNIT TO 1050 CFM SA, 245 CFM OA. ADJUST MOTOR SPEED AS NEEDED. PROVIDE NEW AIR FILTERS AND CLEAN COILS AND BURNERS. CHECK ALL CONTROLS.
3. REBALANCE EXISTING 3 TON ROOFTOP UNIT TO 1050 CFM SA, 245 CFM OA. ADJUST MOTOR SPEED AS NEEDED. PROVIDE NEW AIR FILTERS AND CLEAN COILS AND BURNERS. CHECK ALL CONTROLS.
4. REBALANCE EXISTING 4 TON ROOFTOP UNIT TO 1405 CFM SA, 325 CFM OA. ADJUST MOTOR SPEED AS NEEDED. PROVIDE NEW AIR FILTERS AND CLEAN COILS AND BURNERS. CHECK ALL CONTROLS.



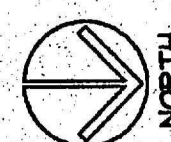
02 ALTERNATE - HVAC

SCALE: 1/8" = 1'-0"



01 FLOOR PLAN - HVAC

SCALE: 1/8" = 1'-0"



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BUTSON AND WILLIAMS
PROJECT ADMINISTRATION

CHUCK E. CHEESE'S PIZZA #413 - COVINA
601 AZUSA AVENUE - COVINA, CA - 91722
SHOWBIZ PIZZA TIME, INC.
4441 WEST AIRPORT FREEWAY
IRVING, TEXAS 75062

Date	06/26/98
Revisions	
Project Number	97-035
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of	2M

HVAC LEGEND		
SINGLE LINE	DESCRIPTION	DOUBLE LINE
	90° ELBOW DOWN	
	90° ELBOW UP	
	OFFSET TO CHANGE ELEVATION (AT 30° WHEN POSSIBLE ARROW SLOPES DN.)	
	ROUND RADIUS ELBOW	
	45° ELBOW	
	90° STRAIGHT TEE	
	90° CONICAL TEE	
	45° BRANCH	
	45° CONICAL TEE	
	SIZE TRANSITION	
	SHAPE TRANSITION	
	ROUND FLEXIBLE DUCT	
	90° ELBOW DOWN	
	90° ELBOW UP	
	TEE WITH SPLITTER & TURNING VANES IN VERTICAL	
	OFFSET TO CHANGE ELEVATION (AT 30° WHEN POSSIBLE ARROW SLOPES DN.)	
	RECTANGULAR RADIUS ELBOW	
	RECTANGULAR ELBOW WITH TURNING VANES	
	SPLIT BRANCH TAKE-OFF WITH SQUARE ELBOW AND SPLITTER DAMPER	
	SPLIT BRANCH TAKE-OFF WITH RADIUS ELBOW AND SPLITTER DAMPER	
	BRANCH TAKE-OFF WITH RADIUS HEEL AND DAMPER	
	BRANCH TAKE-OFF WITH AIR DAMPER	
	TEE WITH SPLITTER	
	SPIN-IN TAP	
	SQUARE NECK CLG. DIFFUSER 4-WAY DIRECTIONAL THROWN UNLESS INDICATED OTHERWISE	
	SQUARE NECK CLG. DIFFUSER 4-WAY DIRECTIONAL THROWN UNLESS INDICATED OTHERWISE	
	SIDEWALL SUPPLY GRILLE OR REGISTER WITH O.B.D.	
	SUPPLY DUCT RISER	
	RETURN, EXHAUST OR OUTSIDE AIR DUCT RISER	
	CEILING RETURN AIR GRILLE OR REGISTER	
	DOOR GRILLE	
	VOLUME DAMPER	
	FIRE DAMPER	
	MOTORIZED DAMPER	
	GRAVITY BACKDRAFT DAMPER	
	AUTO SMOKE DAMPER	
	SMOKE DETECTOR	
	SMOKE/FIRE DAMPERS (CLASS II MIN.)	
	THERMOSTAT OR TEMPERATURE SENSOR	

ALL SYMBOLS ON THIS LIST ARE NOT NECESSARILY USED ON THIS JOB.

ROOF TOP AIR CONDITIONING UNIT DX SCHEDULE																						
DESIG.	SERVES	FAN SECTION					COOLING DATA					HEATING DATA		ELECTRICAL			MFG.	MODEL	REMARKS	WGT. (LBS.)		
		CFM	O.A. CFM	ESP	HP	MAX RPM	MIN. WHEEL DIA. (IN.)	ENT. AIR °F DB	°F WB	AMB. °F	CAPACITY MBH SENSIBLE	MBH TOTAL	FUEL	CAPACITY MBH INPUT	OUTPUT	VOLTS					PHASE	MCA
RTU-1	WEST SKILLS	880	300	5	1	1200	---	81.3	66.4	96	20.3	24.4	NAT. GAS	40	32	208	3	15.5	CARRIER	4856030	PROVIDE MANUF. ROOF CURB.	475

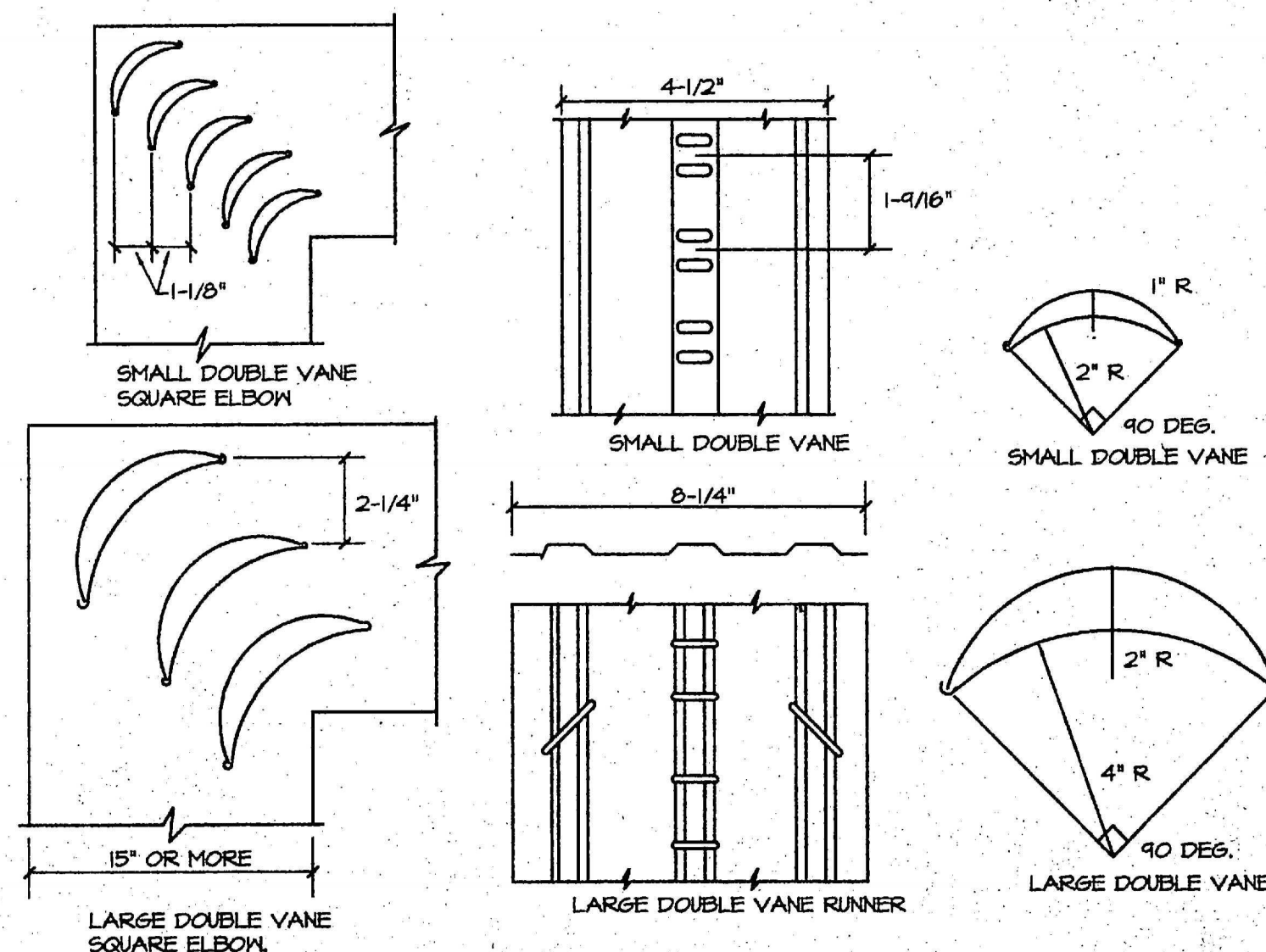
- NOTES:
1. PROVIDE SINGLE POINT ELECTRICAL CONNECTION WITH INTEGRAL DISCONNECT SWITCH.
 2. EXTERNAL STATIC PRESSURE (ESP) IS DUCTWORK AND GRILLES ONLY. BHP SHOULD INCLUDE TWICE INITIAL FILTER LOSSES.
 3. PROVIDE MANUAL OA DAMPER AND RAIN HOOD.

AIR DEVICE SCHEDULE								
MARK	DESCRIPTION	CLG. TYPE	FACE DIMEN.	TYPE	VOLUME DAMPER	FINISH	MFG.	MODEL
A	LOUVER FACE	LAY-IN	24"x24"	SUPPLY	NO	OFF-WHITE	TITUS	TMS
B	SIDEWALL REG.	GYP. BD.	PER PLANS	SUPPLY	O.B.D.	OFF-WHITE	TITUS	212 FL
C	LOUVER FACE	LAY-IN	24"x24"	RETURN	NO	OFF-WHITE	TITUS	23 RL
D	LOUVER FACE	LAY-IN	12"x12"	EXHAUST	O.B.D.	OFF-WHITE	TITUS	3 FL

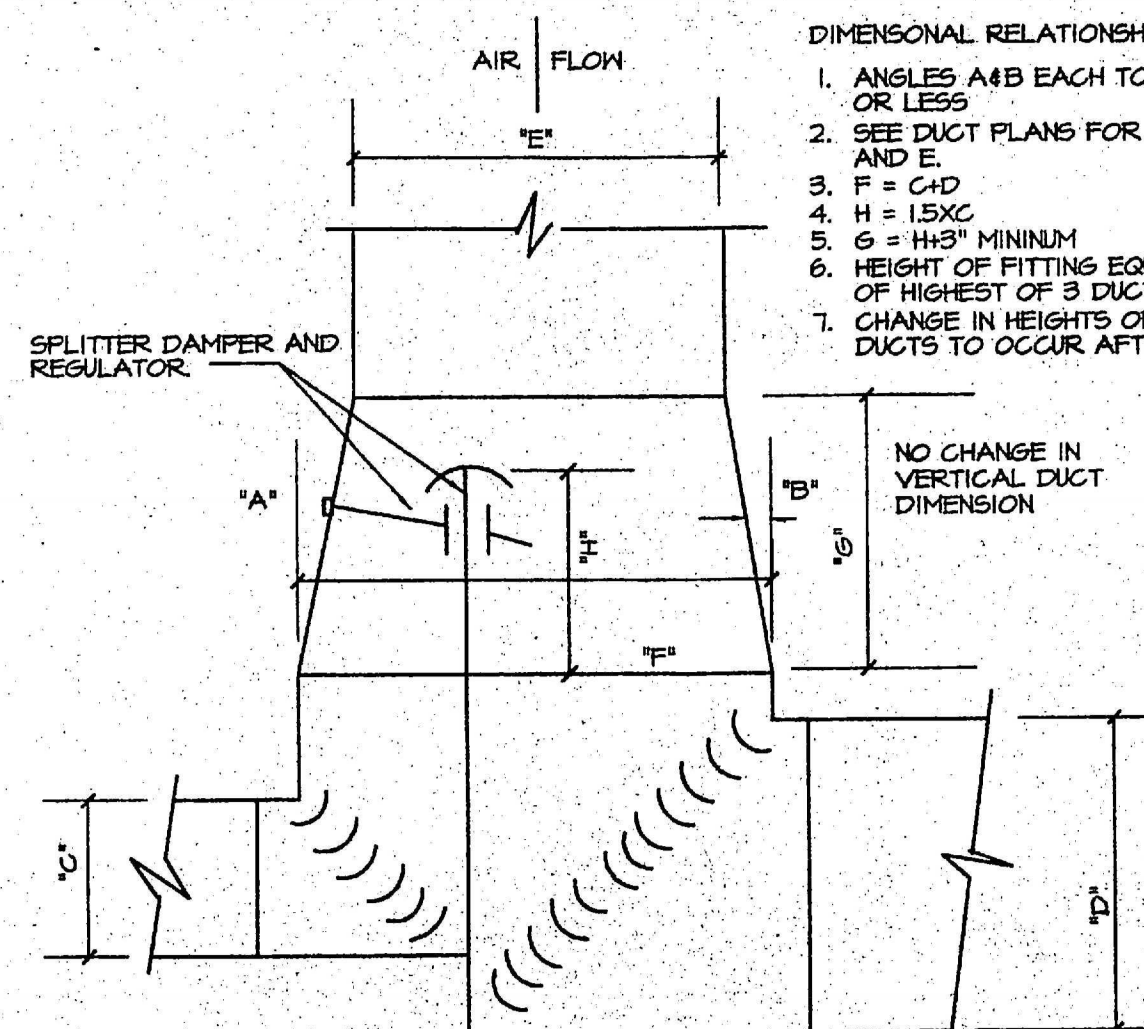
- * VERIFY FRAME STYLE REQUIREMENTS WITH ARCHITECTURAL REFLECTIVE CEILING PLANS.
 ** UNLESS NOTED OTHERWISE.

FAN SCHEDULE									
MARK	CFM	S.P.	MAX. FAN RPM	MOTOR DATA			MFR	MODEL	SERVES
				H.P.	RPM	VOLT/PH.			
EF-1	900	1/4"	1100	1/8	1750	120/1	PHP	000K	TOILET EXHAUST
								ACE-120C2B	DISC. SW. ROOFCURB, BS. BACKDRAFT DMFR.

- NOTES:
1. PROVIDE STEEL ANGLE FRAMES UNDER EACH ROOF OR "PATE" CURB. ANGLES ARE TO BE WELDED TO STEEL JOISTS TYPICAL FOR ALL FANS.

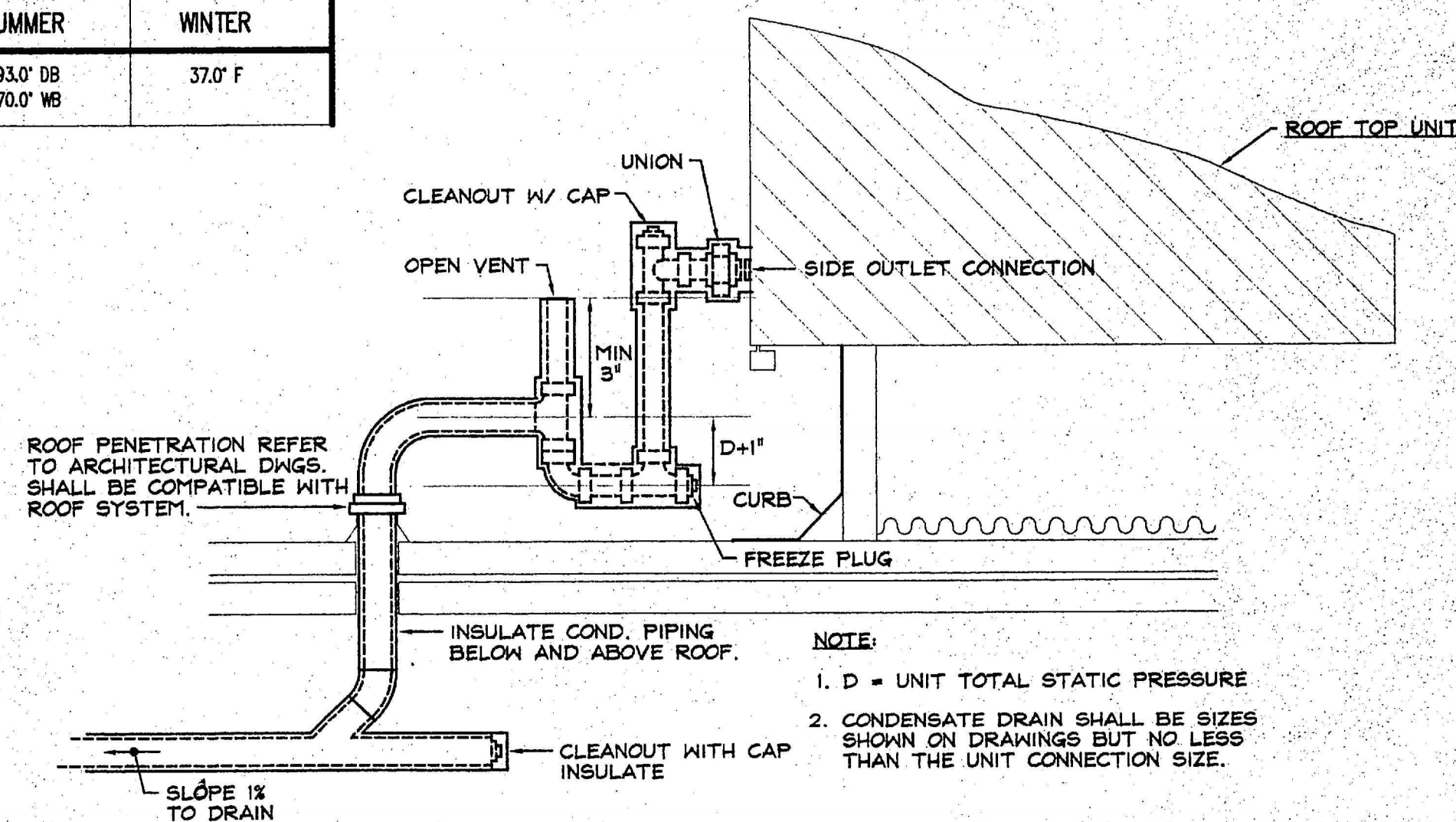


02 VANED DUCT ELBOW
NO SCALE

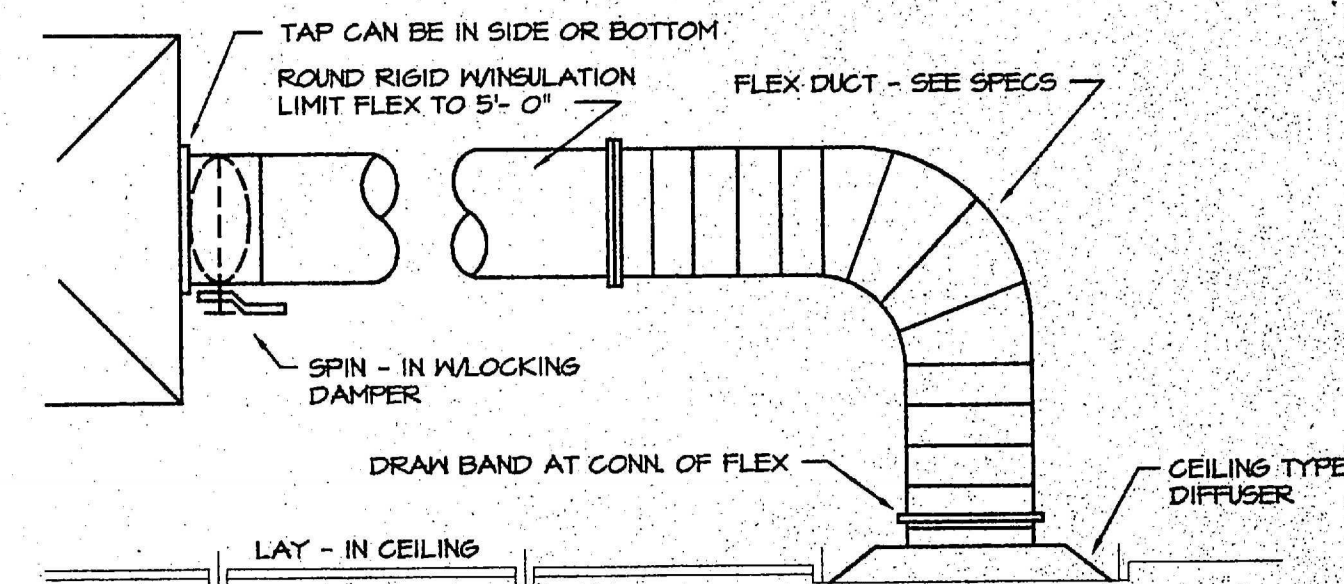


03 MAJOR RECTANGULAR DUCT TEE DETAIL
NOT TO SCALE

DESIGN CONDITIONS	
SUMMER	WINTER
93.0° DB 70.0° WB	37.0° F



01 ROOFTOP A/C UNIT CONDENSATE PIPING
SCALE: NTS



04 TYPICAL CEILING SUPPLY DIFFUSER
NOT TO SCALE

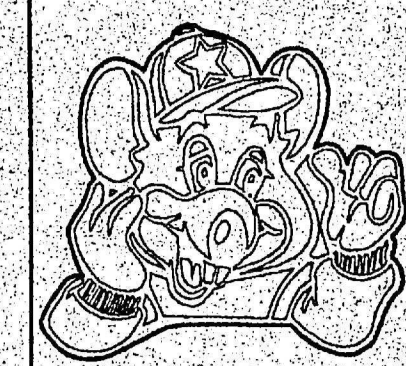


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 IRVING, TEXAS 75062

Date: 06/26/98
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SCHEDULES & DETAILS - HVAC



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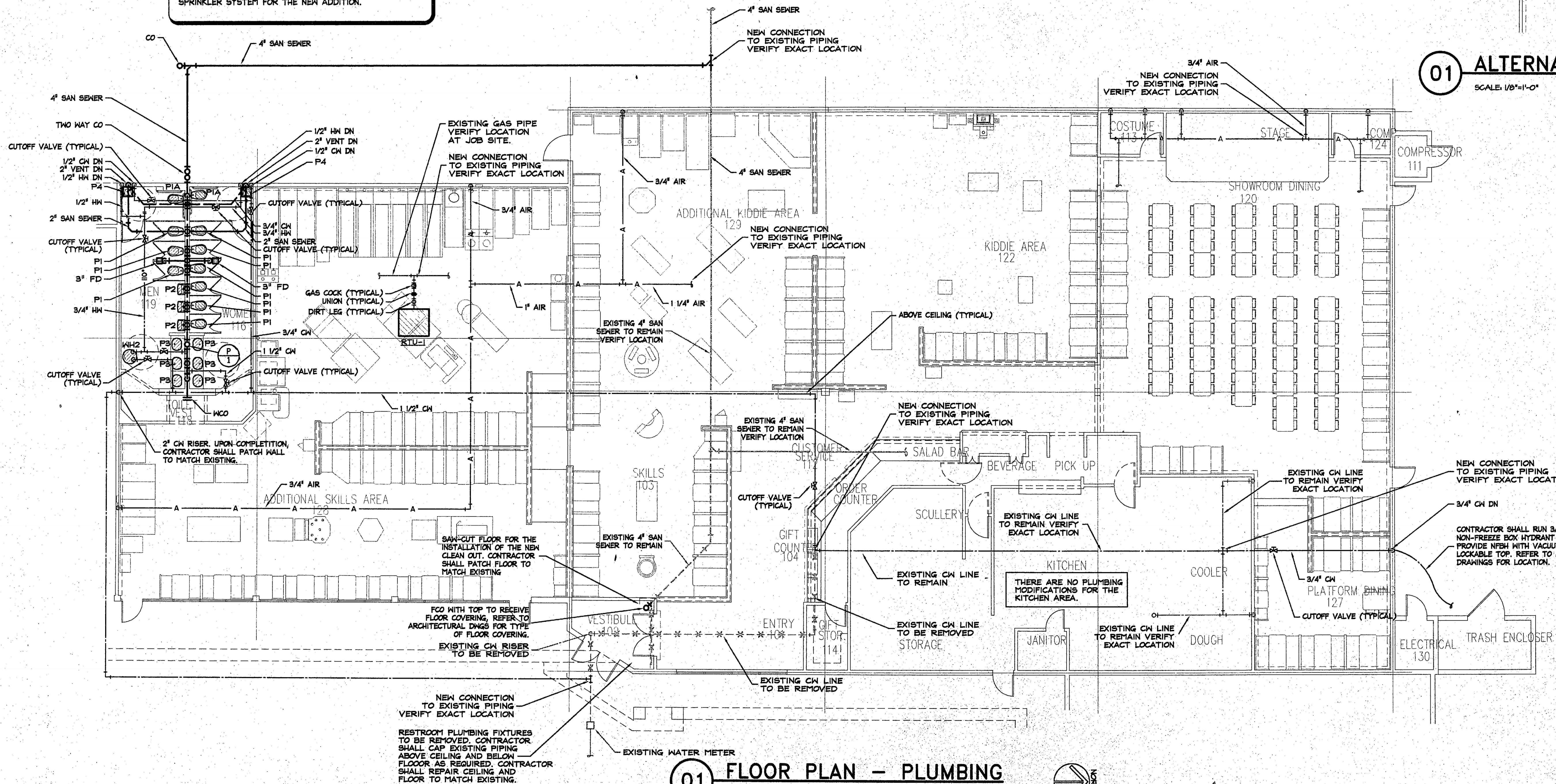
PROJECT ADMINISTRATION

FIRE PROTECTION NOTE.

CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A COMPLETE AUTOMATIC WET TYPE SPRINKLER SYSTEM FOR THE ENTIRE BUILDING. SPRINKLER SYSTEM SHALL CONFORM TO STATE BOARD OF INSURANCE, NFPA, LOCAL AND OWNERS INSURANCE COMPANY REQUIREMENTS. CONTRACTOR SHALL CONTACT OWNERS INSURANCE COMPANY TO CONFIRM ALL OF THEIR REQUIREMENTS PRIOR TO SUBMITTING THEIR BID. REFER TO MECHANICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

CONTRACTOR SHALL RELOCATE ALL SPRINKLER HEADS WHERE NEW CEILINGS ARE BEING INSTALLED. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXTENT OF CEILING MODIFICATIONS.

CONTRACTOR SHALL MODIFY EXISTING FIRE PROTECTION SYSTEM FOR NEW CONSTRUCTION. CONTRACTOR SHALL PROVIDE A AUTOMATIC WET TYPE FIRE SPRINKLER SYSTEM FOR THE NEW ADDITION.



01 FLOOR PLAN - PLUMBING
SCALE: 1/8"=1'-0"

01 ALTERNATE - PLUMBING
SCALE: 1/8"=1'-0"

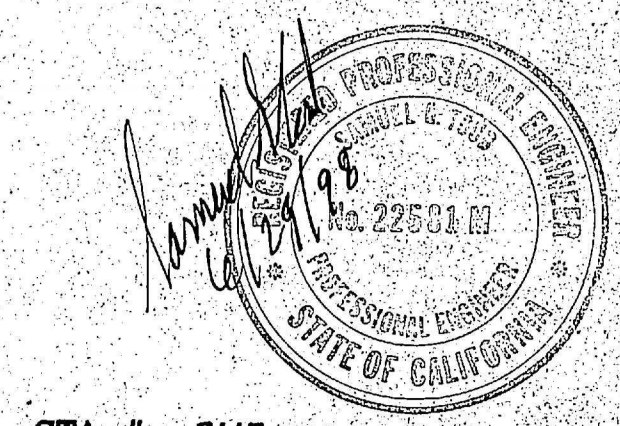
CHUCK E. CHEESE'S PIZZA #413 - COVINA

601 AZUSA AVENUE - COVINA, CA - 91722

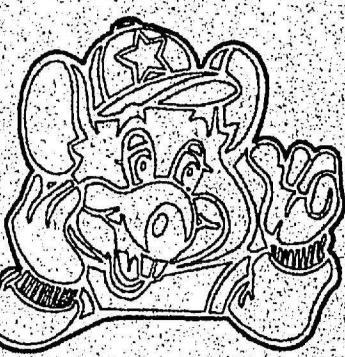
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4441 WEST AIRPORT FREEWAY
IRVING, TEXAS 75062

FLOOR PLAN - PLUMBING

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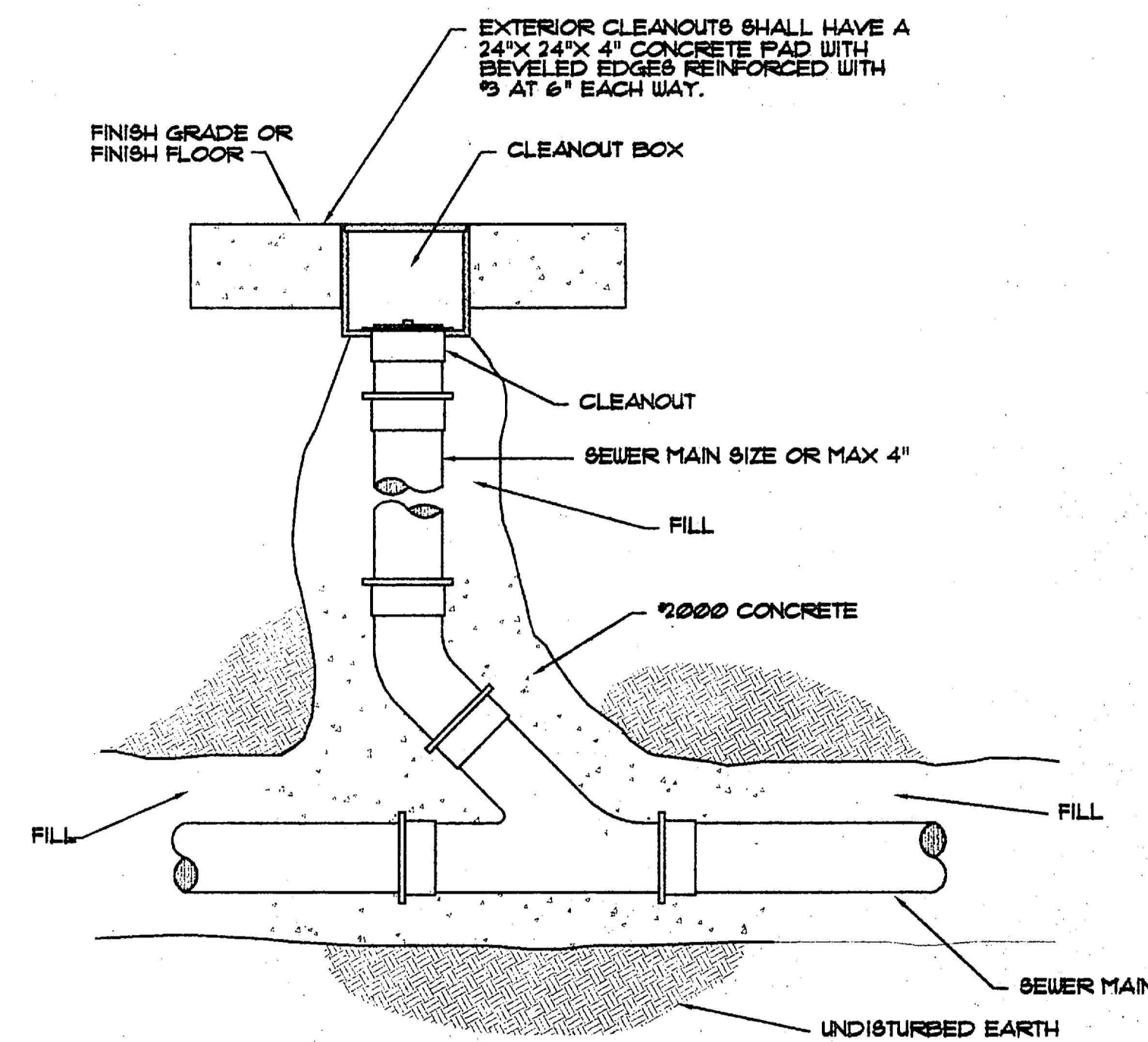
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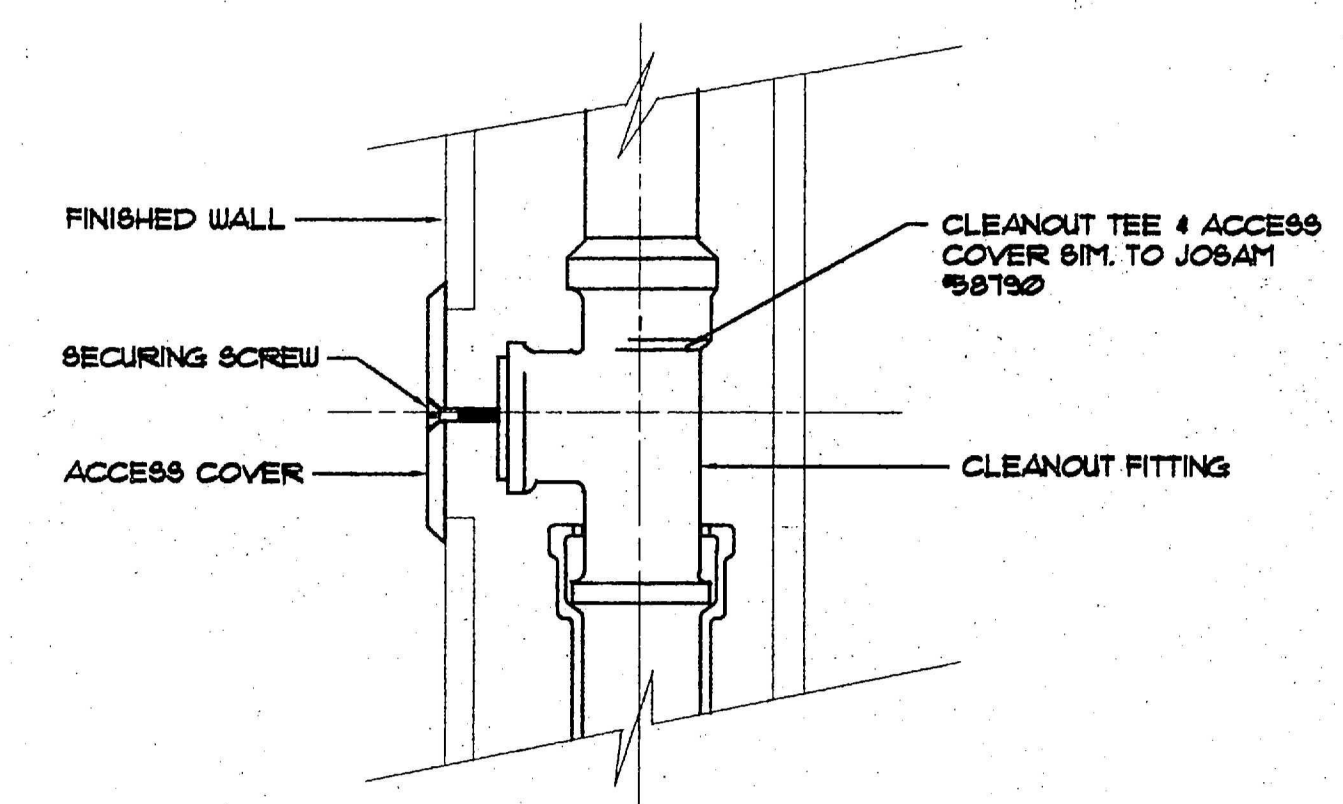
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02 CLEANOUT DETAIL
SCALE: N.T.S.



01 WALL CLEANOUT DETAIL
SCALE: N.T.S.

PLUMBING FIXTURE SCHEDULE

GENERAL NOTES:

Wall hung fixtures shall be supported using adjustable concealed arm, floor mounted supports with rectangular structural steel uprights utilizing heavy-duty cast iron feet bolted to floor and heavy-duty cast iron support headers.

Floor and hub drains in restrooms, mechanical room, drains which receive HVAC unit condensate and drains not frequently used shall have an automatic trap primer activated by a drop in building water pressure. Trap primer shall be located directly behind a 10" x 10" flush access panel with location subject to Architects approval. Access panel locations shall be coordinated with Architect prior to installation. Architect may relocate access panels without additional cost.

Contractor shall refer to Architectural drawings for mounting heights and locations of handicapped (ADA) fixtures. Contractor shall coordinate ADA requirements with Architect prior to installation of fixtures. Contractor shall provide ADA fixtures as shown on both the Plumbing and Architectural drawings.

Flush valve for handicapped fixtures shall be installed where handle faces into open area within stall.

Contractor shall provide flexible molded insulation on P-Traps, water supply piping and valves serving ADA fixtures.

Contractor shall provide offset P-traps for ADA fixtures.

Contractor shall provide all fixtures shown on Architectural, Kitchen Consultant, Owner furnished and Plumbing drawings unless otherwise noted.

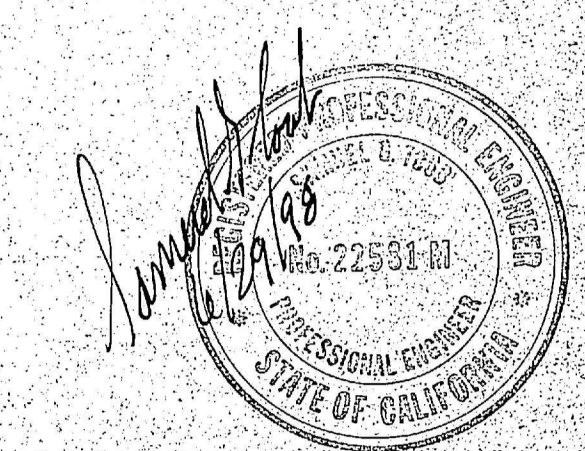
Contractor shall furnish and install on each fixture chrome plated brass P-traps, nipples with escutcheon, chrome plated brass angle supply with chrome plated flexible risers with nipples and chrome plated cast set-screw escutcheons.

Contractor shall provide all necessary fittings, piping supports, etc. to install each plumbing fixture per Manufacturer's installation instructions and to comply with City codes and standards.

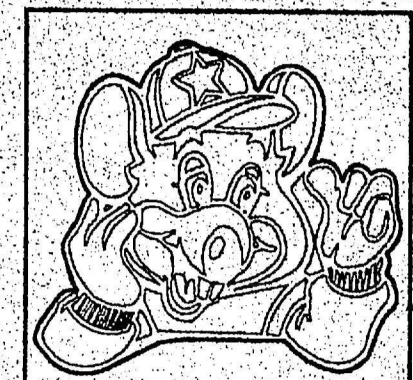
Flush valves for fixtures shall be similar to SLOAN "ROYAL".

DESIGNATION	FIXTURE TYPE	MANUFACTURER AND MODEL NUMBER	SERVICE CONNECTIONS				DESCRIPTION/REMARKS/SPECIAL INSTRUCTIONS
			WASTE	VENT	COLD WATER	HOT WATER	
P-1	WATER CLOSET	AMIRON STD MADERA 2234 015	4	2	1	-	FLOOR MOUNTED SIFON JET ELONGATED BOWL WITH OLSONITE WHITE SEAT NO. 95 WITH INTEGRAL CHECK HINGE. SLOAN ROYAL NO. 111 FLUSH VALVE, 10" IN ROUGH-IN 16 GALLON PER FLUSH.
P-1A	WATER CLOSET	AMIRON STD CADET 3043 102	4	2	1	-	FLOOR MOUNTED SIFON JET ELONGATED BOWL WITH OLSONITE WHITE SEAT NO. 95 WITH INTEGRAL CHECK HINGE. SLOAN ROYAL NO. 111 FLUSH VALVE, 10" IN ROUGH-IN 16 GALLON PER FLUSH. INSTALL AT HANDICAP HEIGHT
P-2	WALL HUNG URINAL	AMIRON STD TRIMBROOK 6361 011	2	1 1/2	3/4	-	WALL HUNG VITREOUS CHINA, SIFON JET URINAL COMPLETE WITH SLOAN ROYAL NO. 106-1 FLUSH VALVE, 10" GALLON PER FLUSH, AND JR. SMITH CARRIER, INSTALL AT HANDICAPPED HEIGHT AND REGULAR HEIGHT
P-3	LAV	AMIRON STD AQUALYN 0416 028	1 1/2	1 1/2	1/2	1/2	SELF RIMMING, VITREOUS CHINA, 20 IN. BY 17 IN. LAV. WITH AM. STD. MONTERREY NO. 0415 022 FAUCET WITH CONVENTIONAL SPOT, GRID DRAIN, WITH 4 IN. URIST BLADE HANDLES, 022 IT GA. CHROME FINISH, MCGUIRE SUPPLIES AND STOPS, 1 1/4 IN P-TRAP, HANDICAP ACCESSIBLE
P-4	LAV	AMIRON STD DECLYN 0321 015	1 1/2	1 1/2	1/2	1/2	WALL HUNG, VITREOUS CHINA, 19 IN. BY 17 IN. LAV. WITH AM. STD. MONTERREY NO. 0415 022 FAUCET WITH CONVENTIONAL SPOT, GRID DRAIN, WITH 4 IN. URIST BLADE HANDLES, 022 IT GA. CHROME FINISH, MCGUIRE SUPPLIES AND STOPS, 1 1/4 IN P-TRAP, HANDICAP ACCESSIBLE
FD	FLR DRAIN	J R SMITH #2005-A	AS NOTED ON DRAWINGS				CAST IRON FLOOR DRAIN COMPLETE W/ SATIN NICKEL STRAINER & DEEP SEAL TRAP, TRAP PRIMER TAP WHERE REQ'D
VH-2	WTR HTR ELEC	LOCHINVAR #ESJ030HH	AS NOTED ON DRAWINGS				120V, 3KW STUBBY ELECTRIC WATER HEATER RATED AT 30 GAL, 12 GPH RECOVERY AT 80 DEGREE RISE

NOTES: 1. ALL SUBSTITUTIONS SHALL BE APPROVED BY ARCHITECT PRIOR TO ORDERING.



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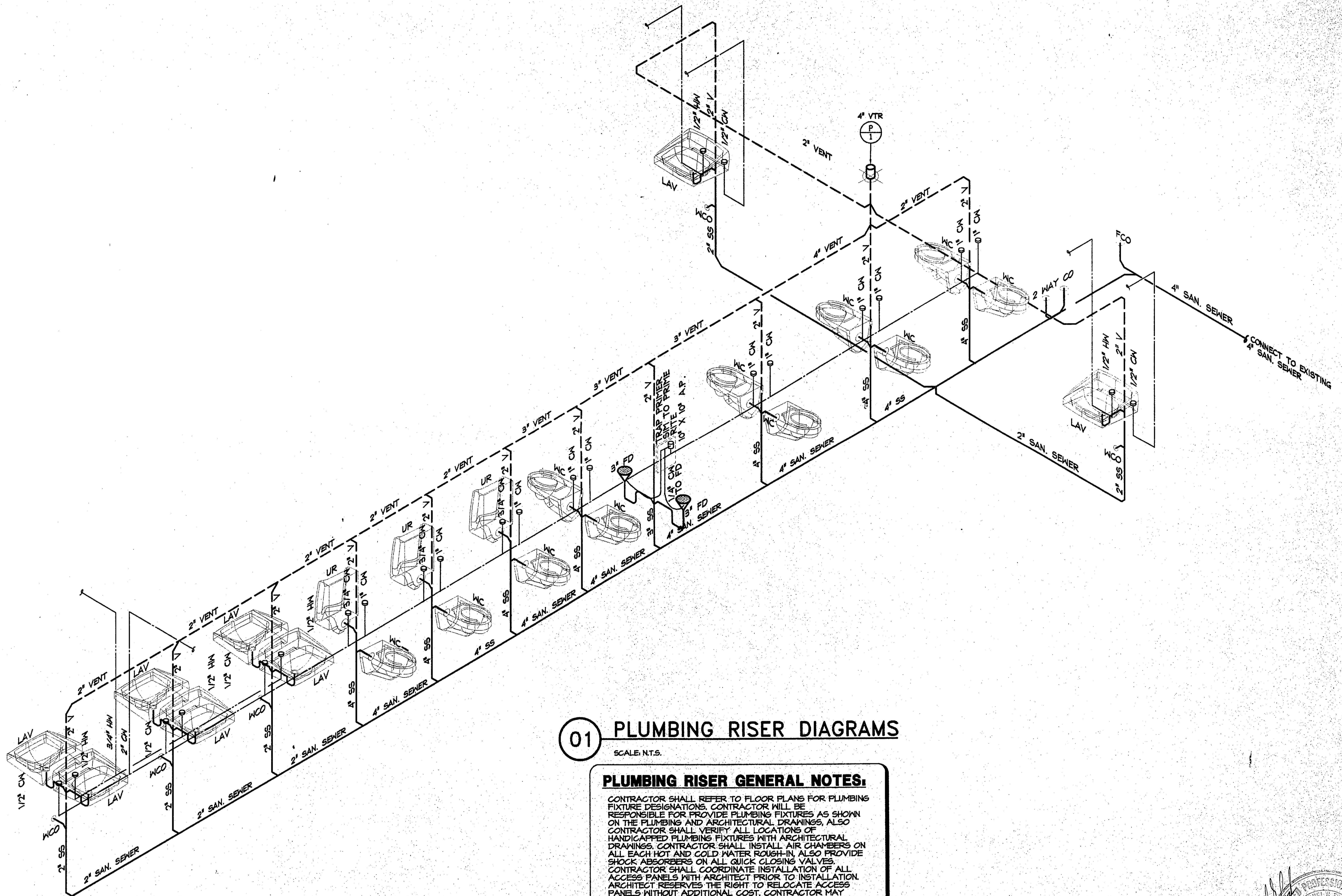
PLUMBING DETAILS and SCHEDULES

Date
06/26/98

Revisions

Project Number
97-03S

Sheet Number
P2
of **3P**

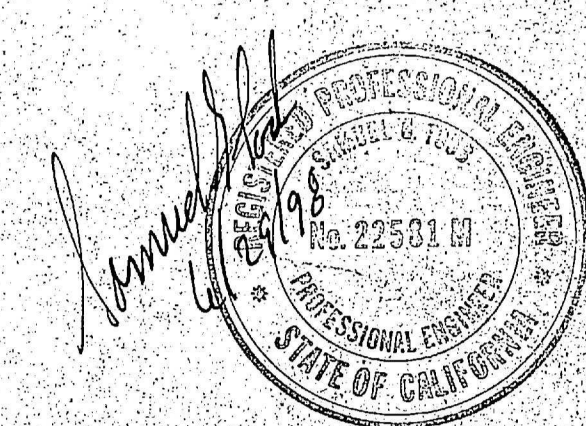


01 PLUMBING RISER DIAGRAMS

SCALE: N.T.S.

PLUMBING RISER GENERAL NOTES:

CONTRACTOR SHALL REFER TO FLOOR PLANS FOR PLUMBING FIXTURE DESIGNATIONS. CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING PLUMBING FIXTURES AS SHOWN ON THE PLUMBING AND ARCHITECTURAL DRAWINGS. ALSO CONTRACTOR SHALL VERIFY ALL LOCATIONS OF HANDICAPPED PLUMBING FIXTURES WITH ARCHITECTURAL DRAWINGS. CONTRACTOR SHALL INSTALL AIR CHAMBERS ON ALL EACH HOT AND COLD WATER ROUGH-IN. ALSO PROVIDE SHOCK ABSORBERS ON ALL QUICK CLOSING VALVES. CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL ACCESS PANELS WITH ARCHITECT PRIOR TO INSTALLATION. ARCHITECT RESERVES THE RIGHT TO RELOCATE ACCESS PANELS WITHOUT ADDITIONAL COST. CONTRACTOR MAY RELOCATE TRAP PRIMERS TO ABOVE CEILINGS IF ALLOWED BY ARCHITECT. IF RELOCATED THE CONTRACTOR SHALL PROVIDE ACCESS PANEL IN GYPSUM BOARD CEILING. CONTRACTOR SHALL INSTALL TRAP PRIMERS ON ALL FLOOR, HUB AND INDIRECT DRAINS ALSO FLOOR SINKS UNLESS OTHERWISE NOTED OR ALLOWED BY LOCAL/STATE CODES.



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PLUMBING RISERS

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BURSON & WILLIAMS
 PROJECT ADMINISTRATOR

FIXTURE SCHEDULE

- A1 RECESSED 2x4 FLUORESCENT TROFFER, STATIC, BAKED WHITE FINISH, 120VOLT ENERGY SAVING WITH PRISMATIC ACRYLIC LENS AND FOUR F032/741 LAMPS. COLUMBIA #J24-432G-FSA12-AEBS-120
- A3 SAME AS A1 EXCEPT WITH 1/2" CUBE SPECULAR SILVER PARABOLIC LOUVER INSTEAD OF LENS. COLUMBIA #J24-432G-FSPC4-AEBS-120
- A5 SAME AS A3 EXCEPT WITH FOUR F40T12/350BL BLACK LAMPS. COLUMBIA #J24-440BL-FSPC4-AEBS-120
- B1 SAME AS A1 EXCEPT WITH EMERGENCY BATTERY PACK TO DRIVE 1 LAMP FOR 90 MINUTES AT 1200 LUMENS. COLUMBIA #J24-432G-FSA12-AEBS-120
- D1 RECESSED FLUORESCENT DOWNLIGHT WITH BAFFLE & TRIM RING. PRESCOLITE CFT832EB-STF802. LAMP: 42 WATT TRI-TUBE - SYLVANIA CF42DT/E/IN/841
- F1 2 FT. 1 LAMP, FLOURESCENT STRIP. COLUMBIA CH2-120-L-120V. LAMP: 1-F20T12/CW
- F3 4 FT. 1 LAMP, FLOURESCENT STRIP. COLUMBIA CH4-140-LE-120V. LAMP: 1-F40CW/SS
- K1 TRACK LIGHT FIXTURE - BALLCRAWL TRACKS TO RECEIVE 75 WATT PAR 30 CAPSALITE LOL # 9233 BKCC
- TRACKS: UBLACK LIGHTTOWER TRACK. TRACK ADAPTER LOL #6074BK. 2' STARTER TRACK LOL #6000BK. TRACK PLUG SET FOR TRACK LOL #6062BK. 4' STARTER TRACK LOL #6001BK. MONOPOINT MOUNT LOL #6190BK. 8' STARTER TRACK #602BK. L' CONNECTOR KIT LOL #6053BK. 6' JOINER TRACK LOL #6003BK.
- ALL LIGHTING FIXTURES AND ACCESSORIES BY G.C. ITEMS NOTED IN REMARKS ARE REQUIRED PURCHASES FROM DEALERS ELECTRICAL SUPPLY. PH 972-790-7000
- R EXISTING TRACK AND/OR FIXTURE TO BE RELOCATED
- S LAY-IN TWO HEAD EMERGENCY LIGHTING UNIT WITH BATTERY BACKUP 120VOLT. PRESCOLITE #EDS-2
- X SINGLE FACE CEILING MOUNT EXIT SIGN TO MATCH EXISTING SIGNS IN EXISTING CHUCK-E-CHEESE SPACE.

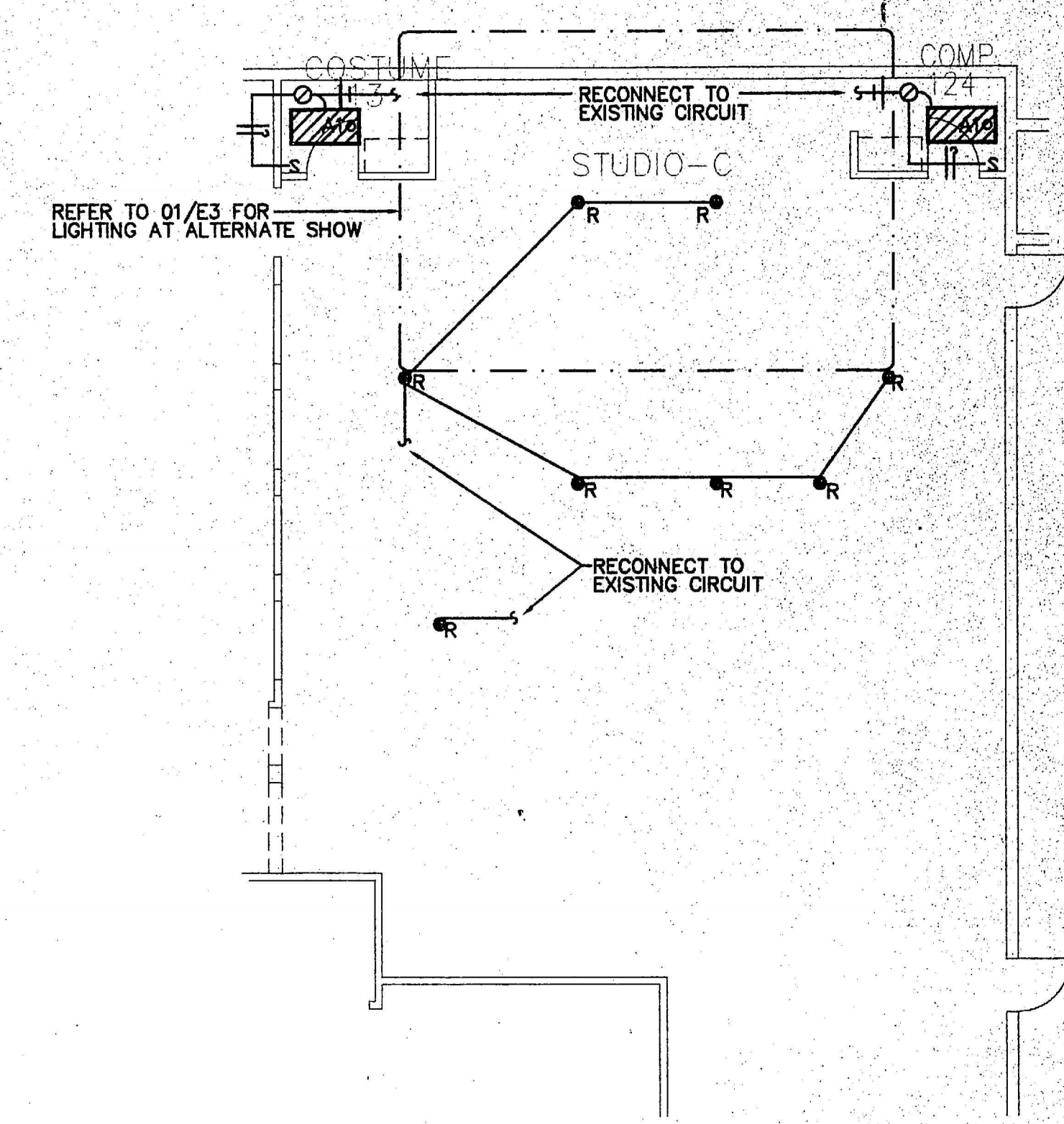
PANELBOARD SCHEDULE 'D'

REMARKS	POLES & AMPS	LOAD WATTS	A	B	C	LOAD WATTS	POLES & AMPS	REMARKS
LIGHTING	1/20	1200	1	2	1700	1/20	LIGHTING	
LIGHTING	1/20	1625	3	4	1625	1/20	LIGHTING	
LIGHTING	1/20	725	5	6	350	1/20	LIGHTING	
LIGHTING	1/20	1135	7	8	800	1/20	LIGHTING	
LIGHTING	1/20	650	9	10	425	1/20	LIGHTING	
AWNING	1/20	700	11	12	2000	1/30	GAMES	
GAMES	1/20	500	13	14	2000	1/30	GAMES	
GAMES	1/20	750	15	16	2000	1/30	GAMES	
GAMES	1/20	500	17	18	2000	1/30	GAMES	
GAMES	1/20	500	19	20	2000	1/30	GAMES	
GAMES	1/20	500	21	22	500	1/20	GAMES	
GAMES	1/20	750	23	24	500	1/20	GAMES	
GAMES	1/20	500	25	26	500	1/20	GAMES	
GAMES	1/20	500	27	28	500	1/20	GAMES	
GAMES	1/20	1000	29	30	750	1/20	GAMES	
GAMES	1/20	500	31	32	750	1/20	GAMES	
EF-	1/20	500	33	34	800	1/20	RECEPTACLES	
MONITORS	1/20	1000	35	36	1000	1/20	RECEPTACLES	
RTU-1	3	1860	37	38	1500	2	20	WH-2
		1860	39	40	1500			
		1860	41	42	360			
	20	1860				1/20		MANAGER STATION

LIGHTING LOAD	10435
POWER LOAD	31140
TOTAL LOAD	42175

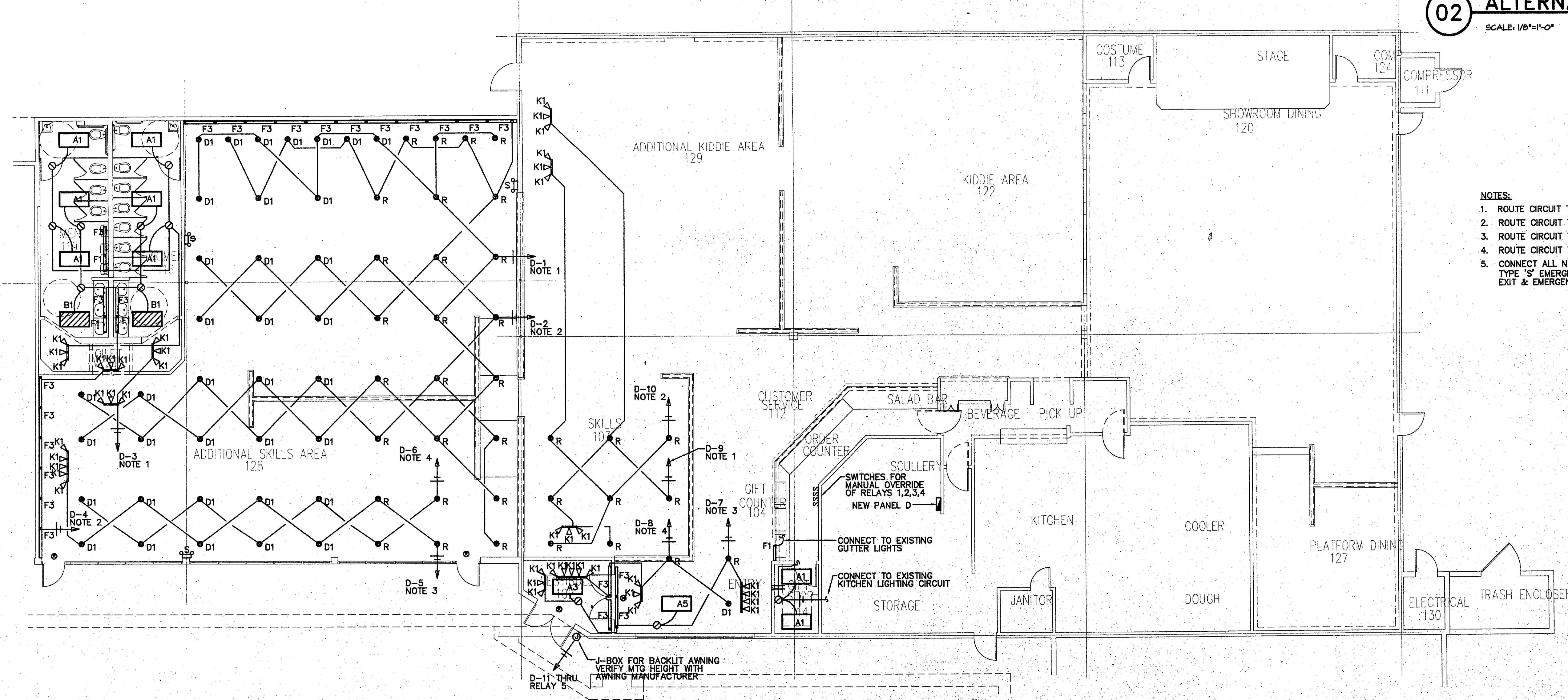
DESIGNATION	PANEL D'
LOCATION	KITCHEN
MOUNTING	FLUSH
VOLTS & PH	120/208 V., 3 PH., 4 WIRE
MAINS	MLO
BUSING AMPS	225

ALL CIRCUIT BREAKERS SHALL BE
RATED FOR SWITCHING DUTY



02 ALTERNATE - LIGHTING

- NOTES:
1. ROUTE CIRCUIT THRU RELAY 1
 2. ROUTE CIRCUIT THRU RELAY 2
 3. ROUTE CIRCUIT THRU RELAY 3
 4. ROUTE CIRCUIT THRU RELAY 4
 5. CONNECT ALL NEW EXIT SIGNS AND NEW TYPE 'S' EMERGENCY FIXTURES TO EXISTING EXIT & EMERGENCY LIGHTING CIRCUIT



01 FLOOR PLAN - LIGHTING

STA # 3115
S. Toub & Associates Inc.
Consulting Engineer - Mechanical / Electrical
13841 Omega Road, Dallas, Texas 75244
972/986-2629

CHUCK E. CHEESE'S PIZZA #413 - COVINA
601 AZUSA AVENUE - COVINA, CA - 91722
SHOWBIZ PIZZA TIME, INC.
4441 WEST AIRPORT FREEWAY
IRVING, TEXAS 75062

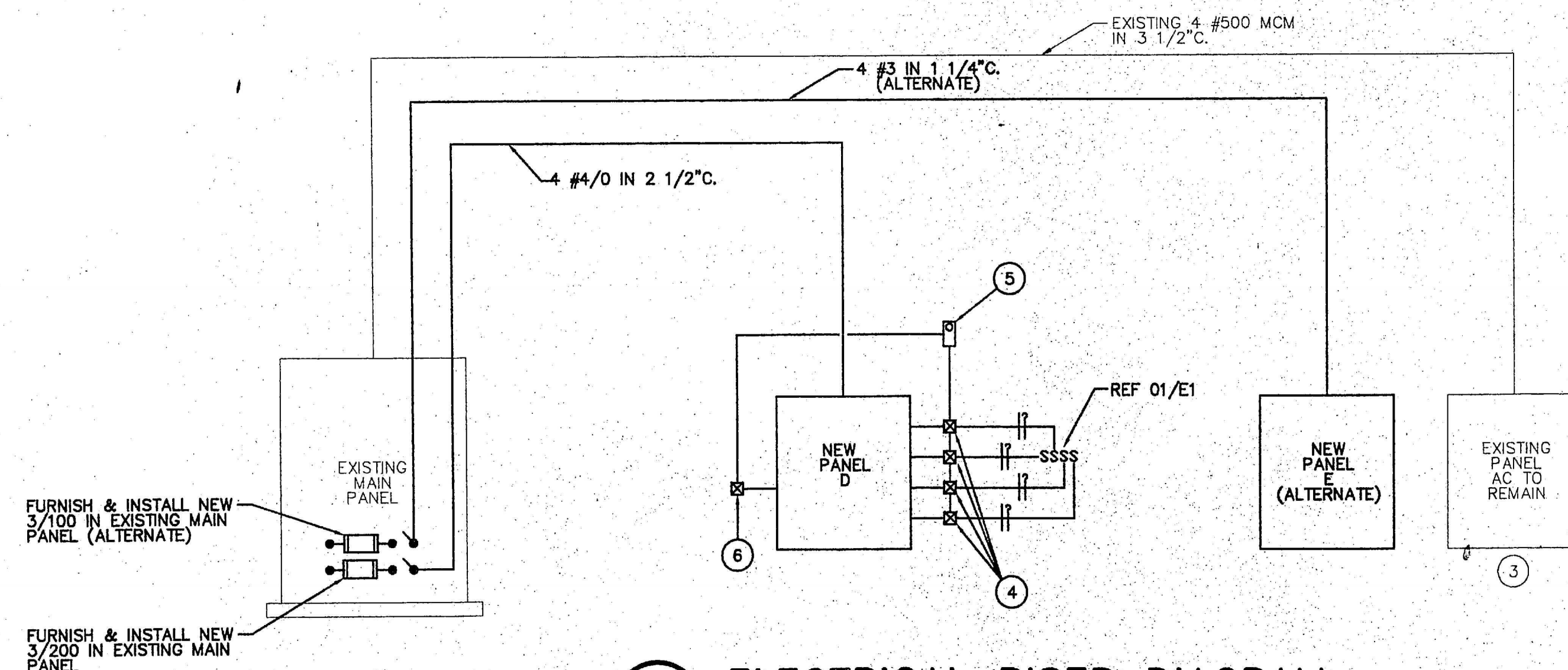
Date 06/26/98
Revisions
Project Number 97-03S
Sheet Number E1 of 3E

CORTLAND MORGAN, ARCHITECT, AIA
6810 Regency Dr.
Dallas, Texas 75225 (214) 388-3877
B&W BOYSON AND WILLIAMS PROJECT ADMINISTRATOR

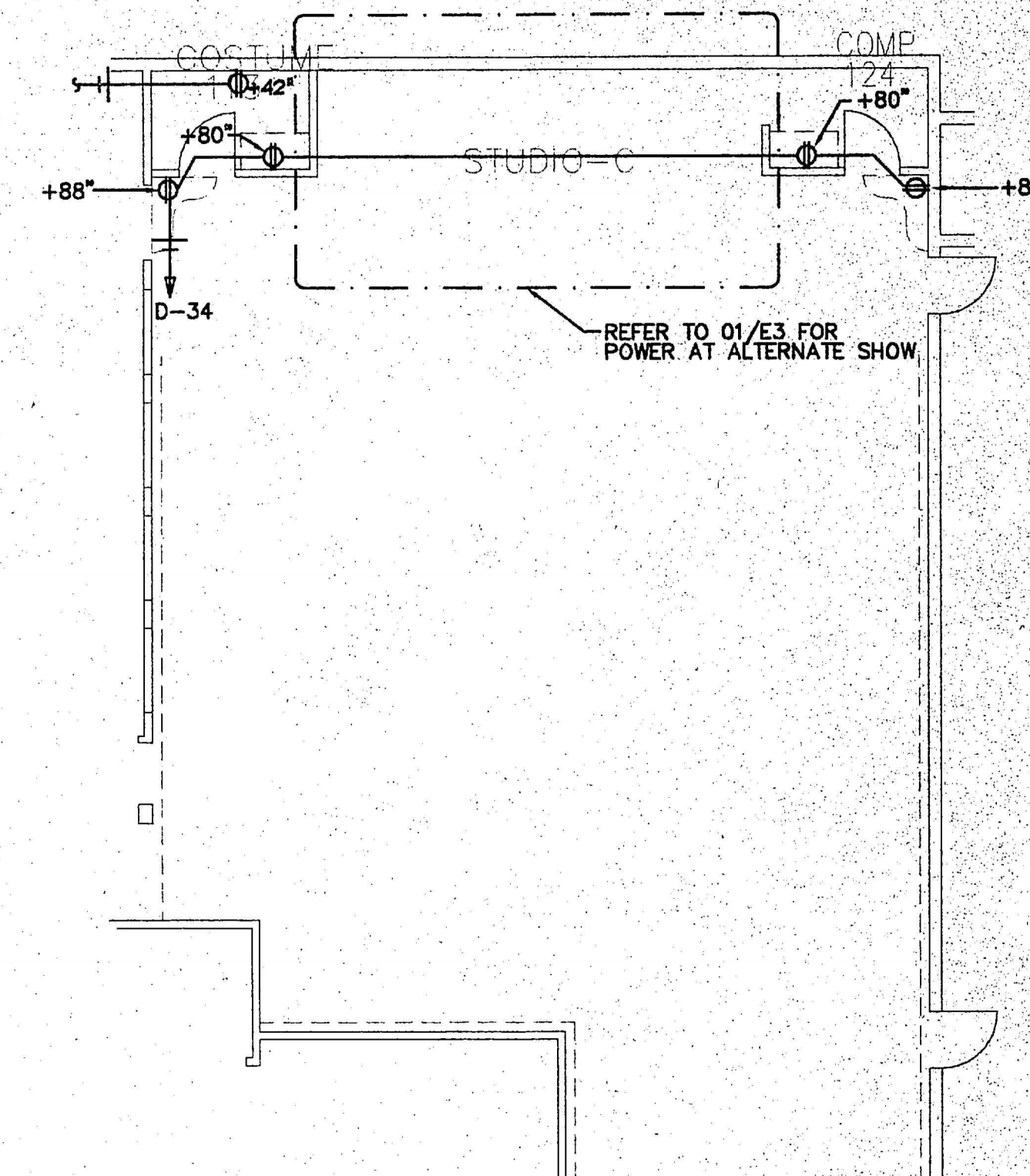
LOAD SUMMARY

EXISTING PEAK AMPS (FROM POWER CO.)	=540
NEW ADDITION AMPS	=89
NEW ADDITION A/C AMPS	=78
NEW ADDITION WTR HTR AMPS	=15
+ 25% LTG, 25% MOTOR	=14
TOTAL AMPS	=736

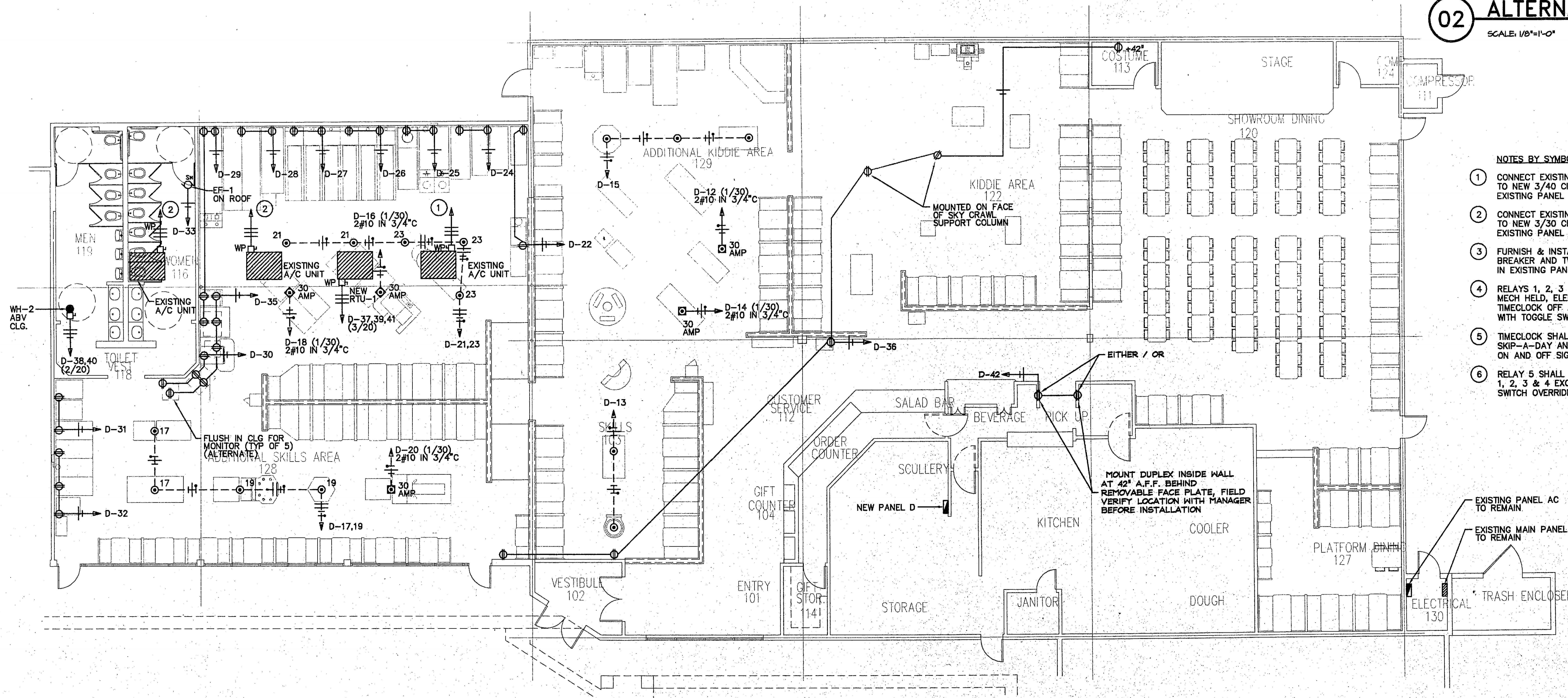
EXISTING ELECTRICAL SERVICE IS
120/208V, 3PH, 4W, 800AMPS



03 ELECTRICAL RISER DIAGRAM
SCALE: NO SCALE



02 ALTERNATE - POWER
SCALE: 1/8"=1'-0"



- NOTES BY SYMBOL**
- CONNECT EXISTING ROOF TOP A/C UNIT TO NEW 3/40 CIRCUIT BREAKER IN EXISTING PANEL AC WITH 3/8 IN 3/4" C.
 - CONNECT EXISTING ROOF TOP A/C UNIT TO NEW 3/30 CIRCUIT BREAKER IN EXISTING PANEL AC WITH 3/8 IN 1/2" C.
 - FURNISH & INSTALL ONE NEW 3/40 CIRCUIT BREAKER AND TWO NEW 3/30 CIRCUIT BREAKERS IN EXISTING PANEL AC.
 - RELAYS 1, 2, 3 & 4 SHALL BE 3 POLE, MECH. HELD, ELEC OPERATED WITH TIMECLOCK OFF AND ON SIGNALS AND WITH TOGGLE SWITCH OVERRIDE.
 - TIMECLOCK SHALL BE SEVEN DAY WITH SKIP-A-DAY AND 24 HOUR DIAL FOR ON AND OFF SIGNAL TO RELAYS.
 - RELAY 5 SHALL BE SAME AS RELAYS 1, 2, 3 & 4 EXCEPT WITH NO TOGGLE SWITCH OVERRIDE.

01 FLOOR PLAN - POWER
SCALE: 1/8"=1'-0"

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972/388-6009

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601 AZUSA AVENUE - COVINA, CA - 91722

SHOWBIZ PIZZA TIME INC.
4441 WEST AIRPORT FREEWAY
IRVING, TEXAS 75062

FLOOR PLAN - POWER

Date
06/28/98

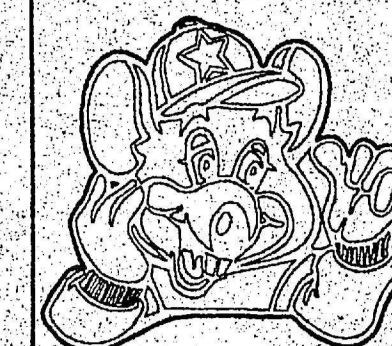
Revisions

Project Number
97-038

Sheet Number

E2

of **3E**

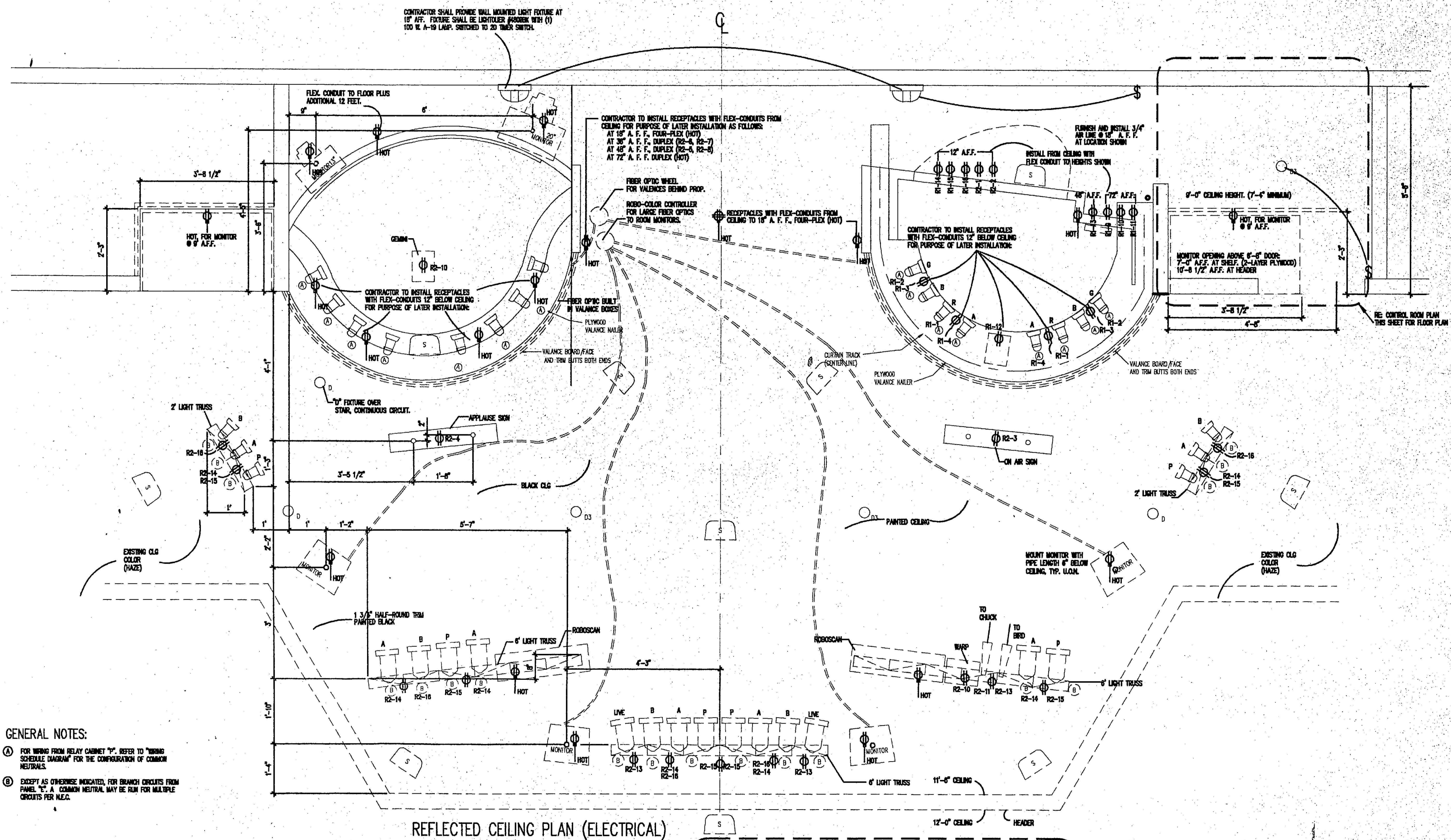


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CORTLAND MORGAN, ARCHITECT, AIA
6910 Westwood Dr.
Dallas, Texas 75225 (214) 358-3687

B&W
BURSON AND WILLIAMS
PROJECT ADMINISTRATOR





GENERAL NOTES:

- ① FOR WIRING FROM RELAY CABINET "Y", REFER TO "WIRING SCHEDULE DIAGRAM" FOR THE CONNECTION OF COMMON NEUTRALS.
- ② EXCEPT AS OTHERWISE INDICATED, FOR BRANCH CIRCUITS FROM PANEL "Y", A COMMON NEUTRAL MAY BE RUN FOR MULTIPLE CIRCUITS PER NEC.

PANELBOARD SCHEDULE 'E'

REMARKS	POLES & AMPS	LOAD WATTS	A	B	LOAD WATTS	POLES & AMPS	REMARKS
CABINET P	1/20	1200	1	2	1200	1/20	CABINET P
CABINET P	1/20	1200	3	4	1200	1/20	CABINET P
CABINET P	1/20	1200	5	6	1200	1/20	CABINET P
CABINET P	1/20	1200	7	8	1200	1/20	CABINET P
SPARE	1/20	---	9	10	1000	1/20	STAGE OUTLET
EXISTING DIMMER MODULE #1	1/40	2500	11	12	1200	1/20	MONITOR
EXISTING DIMMER MODULE #2	1/40	2650	13	14	1200	1/20	MONITOR
STAGE OUTLET	1/20	1200	15	16	1000	1/20	BIG MONITOR
GIANT MONITOR	1/20	750	17	18	750	1/20	ROBOSCAN
SPARE	1/40	---	19	14	---	1/20	SPARE
SPARE	1/20	---	21	16	---	1/20	SPARE
SPARE	1/20	---	23	18	---	1/20	SPARE

WITH GROUND BUSS

LIGHTING LOAD	4,270
POWER LOAD	16,710
TOTAL LOAD	20,980

SHORT CIRCUIT BRACING
10,000 AMPS

DESIGNATION

PANEL E

LOCATION STAGE

MOUNTING RECESSED

VOLTS & PH 120/208 V, 3 PH, 4 WIRE

MAINS MLO

BUSSING AMPS 100

CONTROL ROOM PLAN

SCALE: 1/2"=1'-0"

01 ALTERNATE SHOW - ELECTRICAL

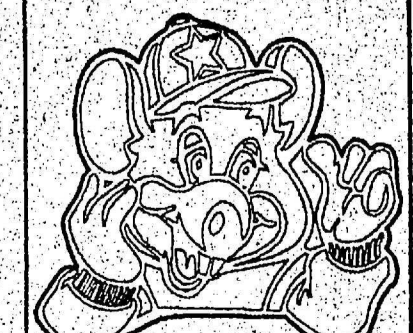
WIRING SCHEDULE DIAGRAM

PB-1	PB-2
CIRCUIT E-1 (1/20) 20 AMP BREAKER	CIRCUIT E-2 (1/20) 20 AMP BREAKER
CIRCUIT E-2 (1/20) 20 AMP BREAKER	CIRCUIT E-3 (1/20) 20 AMP BREAKER
CIRCUIT E-3 (1/20) 20 AMP BREAKER	CIRCUIT E-4 (1/20) 20 AMP BREAKER
CIRCUIT E-4 (1/20) 20 AMP BREAKER	CIRCUIT E-5 (1/20) 20 AMP BREAKER
CIRCUIT E-5 (1/20) 20 AMP BREAKER	CIRCUIT E-6 (1/20) 20 AMP BREAKER
CIRCUIT E-6 (1/20) 20 AMP BREAKER	CIRCUIT E-7 (1/20) 20 AMP BREAKER
CIRCUIT E-7 (1/20) 20 AMP BREAKER	CIRCUIT E-8 (1/20) 20 AMP BREAKER
CIRCUIT E-8 (1/20) 20 AMP BREAKER	CIRCUIT E-9 (1/20) 20 AMP BREAKER
CIRCUIT E-9 (1/20) 20 AMP BREAKER	CIRCUIT E-10 (1/20) 20 AMP BREAKER
CIRCUIT E-10 (1/20) 20 AMP BREAKER	CIRCUIT E-11 (1/20) 20 AMP BREAKER
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- NOTES:
- A. RELAY CABINET "Y" SHALL BE FURNISHED BY OTHER, INSTALLED AND WIRING BY CONTRACTOR. LOW VOLTAGE CONNECTION BY OTHER.
 - B. CIRCUIT ROUTING IS DIAGNOSTIC ONLY. EACH RECEPTACLE AND EACH HALF OF THE SPLIT RECEPTACLE SHALL HAVE TWO WIRES, HOT AND NEUTRAL, BACK TO RELAY CABINET "Y".
 - C. ALL WIRING SHALL BE ORIGINALLY MARKED AT EACH END.
 - D. NO #10 AND CONDUCTORS.
 - E. ALL NUMBERED OUTLETS ARE CONTROLLED BY RELAY CABINET "Y".



STA # 3115
S. Toub & Associates Inc.
Consulting Engineer - Mechanical / Electrical
18641 Omega Road, Dallas, Texas 75244
972/398-0625



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BOSWELL AND WILLIAMS
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601 AZUSA AVENUE - COVINA, CA - 91722
SHOWBIZ PIZZA TIME, INC.
4441 WEST AIRPORT FREEWAY
IRVING, TEXAS 75062
ALTERNATE SHOW - ELECTRICAL

Date
06/26/98

Revisions

Project Number
97-03S

Sheet Number

E3
of 3E

CERTIFICATE OF COMPLIANCE Part 2 of 3 MECH-1

PROJECT NAME: CHUCK E. CHEESE #413 DATE: 6/16/98

SYSTEM FEATURES

SYSTEM NAME	RTU 1	EXISTING SYSTEM	NOTE TO FIELD
TIME CONTROL	Programmable Switch	Programmable Switch	
SETBACK CONTROL	Heating Required	Heating Required	
ISOLATION ZONES	na	na	
HEAT PUMP THERMOSTAT	na	na	
ELECTRIC HEAT	na	na	
FAN CONTROL	Constant Volume	Constant Volume	
VAV MINIMUM POSITION CONTROL	No	No	
SIMULTANEOUS HEAT/COOL	No	No	
HEATING SUPPLY RESET	Constant Temp	Constant Temp	
COOLING SUPPLY RESET	Constant Temp	Constant Temp	
VENTILATION	Auto	Auto	
OUTDOOR DAMPER CONTROL	No Economizer	No Economizer	
ECONOMIZER TYPE	No Economizer	No Economizer	
DESIGN AIR CFM, MECH-4, COLUMN 1	1007	1007	
HEATING EQUIP. TYPE, EFFICIENCY	Gas Furnace, 0.80	Gas Furnace, 0.80	
MAKE AND MODEL NUMBER	Carrier 43500000000000000000	Carrier 43500000000000000000	
COOLING EQUIP. TYPE, EFFICIENCY	Package FAU-AC, 8.00	Package FAU-AC, 8.00	

CODE TABLES: Enter code from table below into columns above.

HEAT PUMP THERMOSTAT	TIME CONTROL	SETBACK CTRL	ISOLATION ZONES	FAN CONTROL
	B: Prop. Switch C: Occupancy Sensor M: Manual Timer	H: Heating C: Cooling B: Both	Enter Number of Isolation Zones N: None C: Curve	B: Inter Vane P: Variable Pitch V: VFD O: Other

NOTES TO FIELD - For Building Department Use Only

CERTIFICATE OF COMPLIANCE Part 3 of 3 MECH-1

PROJECT NAME: CHUCK E. CHEESE #413 DATE: 6/16/98

DUCT INSULATION

SYSTEM NAME	HEATING DUCTS	COOLING DUCTS	DUCT TYPE ALLOWED	PIPE TYPE (Supply, Return, etc.)	INSULATION REQUIREMENT
EXISTING 3 TON UNIT - 1	Ducts in Attic, 4.2	Ducts in Attic, 4.2	[X]		[X]
EXISTING 3 TON UNIT - 2	Ducts in Attic, 4.2	Ducts in Attic, 4.2	[X]		[X]
EXISTING 4 TON UNIT	Ducts in Attic, 4.2	Ducts in Attic, 4.2	[X]		[X]
RTU 1	Ducts in Attic, 4.2	Ducts in Attic, 4.2	[X]		[X]
EXISTING SYSTEM	Ducts in Attic, 4.2	Ducts in Attic, 4.2	[X]		[X]

NOTES TO FIELD - For Building Department Use Only

CERTIFICATE OF COMPLIANCE Part 1 of 3 MECH-1

PROJECT NAME: CHUCK E. CHEESE #413 DATE: 6/16/98

PROJECT ADDRESS: 601 AZUSA AVENUE, COVINA

PRINCIPAL DESIGNER: S. TOUB & ASSOCIATES

TELEPHONE: (972) 388-5629

TELEFAX: (972) 245-6372

DOCUMENTATION AUTHOR: TINA 24-UGA, LTD.

GENERAL INFORMATION

DATE OF PLAN: 6/16/98

BUILDING TYPE: [X] NON-RESIDENTIAL [] HIGH RISE RESIDENTIAL [] HOTEL/MOTEL/QUELTY ROOM

PHASE OF CONSTRUCTION: [] NEW CONSTRUCTION [X] ADDITION [] ALTERATION [] EXISTING FACILITY

METHOD OF MECHANICAL COMPLIANCE: [X] PRESCRIPTIVE [] PERFORMANCE

PROOF OF ENVELOPE COMPLIANCE: [] PREVIOUS ENVELOPE PERMIT [] ENVELOPE COMPLIANCE ATTACHED

STATEMENT OF COMPLIANCE

This Certificate of Compliance for the building envelope and performance is prepared in compliance with Title 24, Part 1 and 6 of the California Code of Regulations. This certificate applies only to building envelope requirements.

The documentation preparer hereby certifies that the documentation is accurate and complete.

DOCUMENTATION AUTHOR: Dennis A. McGinn DATE: 6-16-98

The Principal Mechanical Designer hereby certifies that the proposed building design represented in this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other calculations submitted with this permit application. The proposed building has been designed to meet the mechanical requirements contained in Sections 110 through 114, 120 through 124, 140 through 142, 144 and 145.

Please check one:

[X] I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation, and that I am a duly-licensed mechanical engineer or architect.

[] I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation, and that I am a duly-licensed contractor preparing documents for work that I have contracted to perform.

[] I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code by Section 95572 of the Business and Professions Code to sign this document as the person responsible for its preparation, and that I am a licensed contractor preparing documents for work that I have contracted to perform.

PRINCIPAL MECHANICAL DESIGNER: NAME: S. TOUB & ASSOCIATES SIGNATURE: [Signature] DATE: 6/16/98

MECHANICAL MANDATORY MEASURES

Indicate location on plans of Note Block for Mandatory Measures: T-24

INSTRUCTIONS TO APPLICANT

For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, please refer to the Nonresidential Manual published by the California Energy Commission.

MECH-1: Required on plans for all submittals. Part 2 & 3 may be incorporated in schedules on plans.

MECH-2: Required for all submittals, choose appropriate version depending on method of mechanical compliance.

MECH-3: Required for all submittals, but form does not have to be completed if location of mechanical equipment schedule is indicated on the form per Section 12.3.3.

MECH-4: Required for all submittals unless required outdoor ventilation rates and airflow are shown on plans per Section 4.3.4.

CERTIFICATE OF COMPLIANCE Part 2 of 3 MECH-1

PROJECT NAME: CHUCK E. CHEESE #413 DATE: 6/16/98

SYSTEM FEATURES

SYSTEM NAME	EXISTING 3 TON UNIT - 1	EXISTING 3 TON UNIT - 2	EXISTING 4 TON UNIT	NOTE TO FIELD
TIME CONTROL	Programmable Switch	Programmable Switch	Programmable Switch	
SETBACK CONTROL	Heating Required	Heating Required	Heating Required	
ISOLATION ZONES	na	na	na	
HEAT PUMP THERMOSTAT	na	na	na	
ELECTRIC HEAT	na	na	na	
FAN CONTROL	Constant Volume	Constant Volume	Constant Volume	
VAV MINIMUM POSITION CONTROL	No	No	No	
SIMULTANEOUS HEAT/COOL	No	No	No	
HEATING SUPPLY RESET	Constant Temp	Constant Temp	Constant Temp	
COOLING SUPPLY RESET	Constant Temp	Constant Temp	Constant Temp	
VENTILATION	Auto	Auto	Auto	
OUTDOOR DAMPER CONTROL	Auto	Auto	Auto	
ECONOMIZER TYPE	No Economizer	No Economizer	No Economizer	
DESIGN AIR CFM, MECH-4, COLUMN 1	1007	1007	1007	
HEATING EQUIP. TYPE, EFFICIENCY	Gas Furnace, 0.80	Gas Furnace, 0.80	Gas Furnace, 0.80	
MAKE AND MODEL NUMBER	Carrier 43500000000000000000	Carrier 43500000000000000000	Carrier 43500000000000000000	
COOLING EQUIP. TYPE, EFFICIENCY	Package FAU-AC, 8.00	Package FAU-AC, 8.00	Package FAU-AC, 8.00	

CODE TABLES: Enter code from table below into columns above.

HEAT PUMP THERMOSTAT	TIME CONTROL	SETBACK CTRL	ISOLATION ZONES	FAN CONTROL
	B: Prop. Switch C: Occupancy Sensor M: Manual Timer	H: Heating C: Cooling B: Both	Enter Number of Isolation Zones N: None C: Curve	B: Inter Vane P: Variable Pitch V: VFD O: Other

NOTES TO FIELD - For Building Department Use Only

CERTIFICATE OF COMPLIANCE - Lighting Part 1 of 2 LTG-1

PROJECT NAME: CHUCK E. CHEESE #413 DATE: 6/16/98

PROJECT ADDRESS: 601 AZUSA AVENUE, COVINA

PRINCIPAL DESIGNER: R.G. FREEMAN

TELEPHONE: (800) 388-5099

TELEFAX: (972) 245-6372

DOCUMENTATION AUTHOR: TINA 24-UGA, LTD.

GENERAL INFORMATION

DATE OF PLAN: 6/16/98

BUILDING TYPE: [X] NON-RESIDENTIAL [] HIGH RISE RESIDENTIAL [] HOTEL/MOTEL/QUELTY ROOM

PHASE OF CONSTRUCTION: [] NEW CONSTRUCTION [X] ADDITION [] ALTERATION [] EXISTING FACILITY

METHOD OF MECHANICAL COMPLIANCE: [X] PRESCRIPTIVE [] PERFORMANCE

PROOF OF ENVELOPE COMPLIANCE: [] PREVIOUS ENVELOPE PERMIT [] ENVELOPE COMPLIANCE ATTACHED

STATEMENT OF COMPLIANCE

This Certificate of Compliance for the building envelope and performance is prepared in compliance with Title 24, Part 1 and 6 of the California Code of Regulations. This certificate applies only to building envelope requirements.

The documentation preparer hereby certifies that the documentation is accurate and complete.

DOCUMENTATION AUTHOR: Dennis A. McGinn DATE: 6-16-98

The Principal Lighting Designer hereby certifies that the proposed building design represented in this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other calculations submitted with this permit application. The proposed building has been designed to meet the lighting requirements contained in Sections 110, 115, 120 through 132, and 140 and 145.

Please check one:

[X] I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation, and that I am a duly-licensed electrical engineer or architect.

[] I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code by Section 95572 of the Business and Professions Code to sign this document as the person responsible for its preparation, and that I am a licensed contractor preparing documents for work that I have contracted to perform.

PRINCIPAL LIGHTING DESIGNER: NAME: R.G. FREEMAN SIGNATURE: [Signature] DATE: 6-16-98

LIGHTING MANDATORY MEASURES

Indicate location on plans of Note Block for Mandatory Measures: T-24

INSTRUCTIONS TO APPLICANT

For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, please refer to the Nonresidential Manual published by the California Energy Commission.

LTG-1: Required on plans for all submittals. Part 2 may be incorporated in schedules on plans.

LTG-2: Required for all submittals.

LTG-3: Optional. Use only if lighting control circuits are shown.

LTG-4: Optional. Use only if lighting control circuits are shown.

CERTIFICATE OF COMPLIANCE - Lighting Part 2 of 2 LTG-1

PROJECT NAME: CHUCK E. CHEESE #413 DATE: 6/16/98

INSTALLED LIGHTING SCHEDULE

LUMINAIRE DESCRIPTION	DESIGNATION	NO. OF WATTS	NO. OF LAMPS	NO. OF BALLASTS	NOTE TO FIELD
34" Track Light 4' x 6' x 6' x 6'	F27A	40	1	1	
11.4" Fluorescent 18" x 42"	F27B	40	1	1	
11.2" Fluorescent 18" x 42"	F27B	40	1	1	
11.4" Fluorescent 18" x 42"	F27B	40	1	1	
11.2" Fluorescent 18" x 42"	F27B	40	1	1	

MANDATORY AUTOMATIC CONTROLS

CONTROL LOCATION (Room #)	CONTROL IDENTIFICATION	CONTROL TYPE (Auto Time Switch, Exterio, etc.)	SPACE CONTROLLED	NOTE TO FIELD

CONTROLS FOR CREDIT

CONTROL LOCATION (Room #)	CONTROL IDENTIFICATION	CONTROL TYPE (Auto Time Switch, Exterio, etc.)	LUMINAIRE CONTROLLED TYPE	NOTE TO FIELD

NOTES TO FIELD - For Building Department Use Only

CHUCK E. CHEESE'S PIZZA #413 - COVINA

601 AZUSA AVENUE - COVINA, CA - 91722

SHOWBIZ PIZZA TIME, INC.

4441 WEST AIRPORT FREEWAY

IRVING, TEXAS 75062

TITLE 24 FORMS

Date

06/28/98

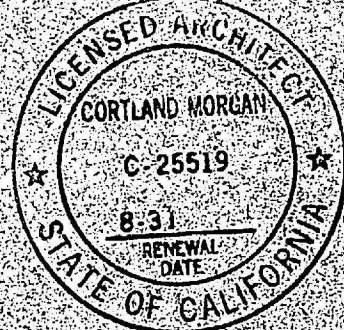
Revisions

Project Number 97-038

Sheet Number

T24

of



STA # 3115
S. Toub & Associates Inc.
Consulting Engineer - Mechanical / Electrical
13641 Orange Road, Dallas, Texas 75244
972/388-5629

KEN OKAMOTO & ASSOCIATES, INC.

STRUCTURAL ENGINEERS

STRUCTURAL CALCULATIONS

PROJECT: CHUCK E. CHESSE'S - INSPECTION **JOB#:** 98168
COVINA, CA.

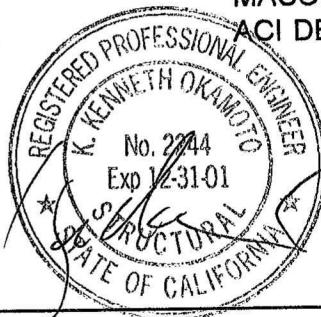
CRITERIA: UNIFORM AND/OR LOCAL BLDG. CODE, LATEST EDITION.

MATERIALS: EXCEPT AS OTHERWISE SPECIFIED HEREIN

CONCRETE:	2,500 PSI AT 28 DAYS.
CONCRETE BLOCK:	GRADE N, LT. WT. UNITS, ASTM C-90.
REINFORCED STEEL:	20,000 PSI (ASTM A615, GRADE 60).
STRUCTURAL STEEL:	24,000 PSI (COMPACT) (ASTM A-36).
STRUCTURAL PIPE:	22,000 PSI (ASTM A-53, GRADE "B").
PLYWOOD SHEATHING:	DOUGLAS FIR, STRUCTURAL 1, P.S. 1-83.
GLUED LAM. BEAMS:	2,400 PSI (D.F. COMB. "24F").
LUMBER:	GRADE MARKED D.F. PER W.C.L.B. GRDG. RULE 16.
SOIL PRESSURE:	SEE FOUNDATION PLAN FOR COMPLETE DATA.

DESIGN REFERENCES: INCLUDING CHARTS AND TABLES FROM:

LUMBER & TIMBER:	WOOD STRUCTURAL DESIGN DATA (VOLUME 1), NATIONAL LUMBER MANUFACTURERS ASSOCIATION
STEEL:	MANUAL OF STEEL CONSTRUCTION, AISC.
CONCRETE BLOCK:	CONCRETE MASONRY DESIGN MANUAL, CONCRETE MASONRY ASSOCIATION
CONCRETE:	ACI DESIGN HANDBOOK



BY: _____

DATE: 6/15/98

14081 YORBA STREET - TUSTIN, CALIFORNIA 92780 - (714) 838-4960



KEN OKAMOTO & ASSOCIATES, INC.

STRUCTURAL ENGINEERS

SHEET 1 OF 12

JOB 98168

CHUCK E. CHEESEB

BY RG

LATERAL ANALYSIS

S2, 4 $V = 0.183W$

70 mph WIND EXP. C

$W = 12.6 \times 1.3 \times 1.1 \times 1 = 20 \text{ PSF}$

$W_w = 16 \times 20 = 320 \text{ #/l}$

$W_s = (30 \times 18 + 16 \times 2 \times 15) \times 0.183$

$= 352 \text{ #/l} \leftarrow \text{GOV.}$

WALL ①

$$V = 352 \times 60 + (59 \times 18 + 12 \times 2 \times 15) \times 0.183 \times 32.5 = 29.10^k$$

B1

$l = 12'$

$$W = 23(15+16) + 16 \times 5 = 713 \text{ #/l}$$

$$M = \frac{713(12)^2}{8} = 12.8^k$$

$$R = 4.3^k$$

$$S = \frac{12.8 \times 12}{2400 \times 1.25} = 51.4^{in^3}$$

$$I_n = \frac{5(713)(12)^4}{384(1.5 \times 10^6) \times 0.6} = 308^{in^4} \rightarrow \text{G.I.B. } 5/8 \times 13\frac{1}{2}$$

B2

$l = 16'$

$$W = 713 \text{ #/l}$$

$$M = 22.8^k$$

$$R = 5.7^k$$

$$S = 91.2^{in^3}$$

$$I_n = 730^{in^4} \rightarrow \text{G.I.B. } 5/8 \times 15$$

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CHUCK E. CHEESE'S
COVINA, CA.

```

=====
Units..... US Standard
Steel Code..... AISC 9th Edition ASD
Allowable Stress Increase Factor.. 1.333
Include Shear Deformation..... Yes
Include Warping..... Yes
No. of Sections for Member Calcs.. 5
Do Redesign..... Yes
P-Delta Analysis Tolerance..... 0.50%
Vertical Axis..... Y
  
```

```

===== < Joint Coordinates > =====
Joint      X      Y      Z      Joint
No         Coordinate Coordinate Coordinate Temperature
-----ft-----ft-----ft-----1/2F-----
1          0.000      0.000      0.000      0.00
2         12.000      0.000      0.000      0.00
3         24.000      0.000      0.000      0.00
4         31.500      0.000      0.000      0.00
5         43.500      0.000      0.000      0.00
6          0.000     10.670      0.000      0.00
7         12.000     10.670      0.000      0.00
8         24.000     10.670      0.000      0.00
9         31.500     10.670      0.000      0.00
10        43.500     10.670      0.000      0.00
  
```

```

===== < Boundary Conditions > =====
Joint  +----- Translation -----+ +----- Rotation -----+
No      X      Y      Z      Mx      My      Mz
-----K/in-----K/in-----K/in-----K-ft/rad---K-ft/rad---K-ft/rad---
1 Reaction Reaction Reaction
2 Reaction Reaction Reaction
3 Reaction Reaction Reaction
4 Reaction Reaction Reaction
5 Reaction Reaction Reaction Reaction
6 STORY 1
  
```

```

===== < Materials (General) > =====
Material  Young's  Shear  Poisson's  Thermal  Weight  Yield
Label     Modulus  Modulus Ratio   Coef.   Density  Stress
-----Ksi-----Ksi-----10^51/2F---K/ft3-----Ksi-----
STL       29000.00  11154.00  0.3000  0.65000  0.490  36.00
  
```

```

===== < Sections > =====
Section  Database  Material  As  As  I  I  Torsion T
Label    Shape   Label    Area  yy  zz  yy  zz  J  C
-----in^2-----in^4-----in^4-----in^4-----
COL      W12X35   STL      10.30  1.2  1.2  24.50  285.00  0.74
BEAM     W18X46   STL      13.50  1.2  1.2  22.50  712.00  1.22
  
```


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CHUCK E. CHEESE'S
COVINA, CA.

===== < Members > =====											
Member	Joints		x Axis	Section	End Releases	Offsets		Inactive?			
No	I	J	K	Rotate	Set	I: MMM	J: MMM	I-End	J-End	Label	Length
-----xyzxyz-xyzxyz--in--in-----ft--											
1	1	6			COL						10.67
2	2	7			COL						10.67
3	3	8			COL						10.67
4	4	9			COL						10.67
5	5	10			COL						10.67
6	6	7			BEAM						12.00
7	7	8			BEAM						12.00
8	8	9			BEAM						7.50
9	9	10			BEAM						12.00

===== < AISC,NDS Parameters > =====											
Member	Section	Length	Lb-yy	Lb-zz	Lcomp	K	K	Cmyy	Cmzz	Cb,B	Sway
Set			le2	le1	le-bend	yy	zz	CH			y z
-----ft-----ft-----ft-----ft-----											
1	COL	10.67				2.00					
2	COL	10.67				2.00					
3	COL	10.67				2.00					
4	COL	10.67				2.00					
5	COL	10.67				2.00					
6	BEAM	12.00				0.65					
7	BEAM	12.00				0.65					
8	BEAM	7.50				0.65					
9	BEAM	12.00				0.65					

===== < Basic Load Case Data > =====					
BLC	Basic Load Case			Load Type Totals	
No.	Description	Nodal	Point	Dist.	Surface

1	DEAD LOAD	2			
2	LIVE LOAD	2			
3	LATERAL	1			

===== < Joint Loads/Enforced Displacements, BLC 1 > =====				
Joint	Is this a Load or	Direction		
Number	a Displacement?	(X,Y,Z,Mx,My,Mz)	Magnitude	
-----K,K-ft,in,rad-----				
8	L	Y	11.160	
9	L	Y	12.150	

===== < Joint Loads/Enforced Displacements, BLC 2 > =====				
Joint	Is this a Load or	Direction		Magnitude
Number	a Displacement?	(X,Y,Z,Mx,My,Mz)		
-----K,K-ft,in,rad-----				
8	L	Y		9.920
9	L	Y		10.800

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CHUCK E. CHEESE'S
COVINA, CA.

```

===== < Joint Loads/Enforced Displacements, BLC 3 > =====
Joint      Is this a Load or      Direction
Number      a Displacement?      (X,Y,Z,Mx,My,Mz)      Magnitude
-----K,K-ft,in,rad-----
6           L                     X                     29.600

```

```

===== < Load Patterns > =====
Pattern      Magnitudes      Locations
Label      Dir      Start      End      Start      End
-----K/ft,F-----K/ft,F-----ft or %-----ft or %---
UNIFORM      Y      -1.000      -1.000      0.000      0.000

```

```

===== < Load Combinations > =====
No.  Description      BLC  Fac  BLC  Fac  BLC  Fac  BLC  Fac  BLC  Fac  BLC  Fac  SSdv
-----
1 DL + LL      1  -1    2  -1
2 DL + LATERAL 1  -1          3   1
3 DL + LATERAL 1  -1          3  -1

```

Dynamics Input:

Number of Modes..... 3
Load Combination Number.... 1
Acceleration of Gravity.... 32.20 ft/sec^2
Convergence Tolerance..... 0.001
Converge Work Vectors..... No

```

===== < Envelope Story Drift > =====
Story+---- X Direction ----+ +---- Y Direction ----+ +---- Z Direction ----+
No. Joint Drift lc Ht % Joint Drift lc Ht % Joint Drift lc Ht %
-----in-----in-----in-----
1 U 6 0.63 2 0.50
L 6 -0.64 3 0.50

```

```

===== < Envelope Reactions > =====
+----- Forces -----+----- Moments -----+
Joint      X      lc      Y      lc      Z      lc      Mx      lc      My      lc      Mz      lc
-----K-----K-----K-----K-ft-----K-ft-----K-ft-----
1 U 5.36 3 8.01 3 0.00 1 0.00 1 0.00 1 0.00 1
L -5.44 2 -8.11 2 0.00 1 0.00 1 0.00 1 0.00 1
2 U 6.47 3 3.20 2 0.00 1 0.00 1 0.00 1 0.00 1
L -6.38 2 -2.81 3 0.00 1 0.00 1 0.00 1 0.00 1
3 U 6.22 3 20.88 1 0.00 1 0.00 1 0.00 1 0.00 1
L -6.19 2 7.21 2 0.00 1 0.00 1 0.00 1 0.00 1
4 U 6.33 3 22.66 1 0.00 1 0.00 1 0.00 1 0.00 1
L -6.35 2 10.84 3 0.00 1 0.00 1 0.00 1 0.00 1
5 U 5.23 3 7.86 2 0.00 1 0.00 1 0.00 1 0.00 1
L -5.24 2 -7.63 3 0.00 1 0.00 1 0.00 1 0.00 1

```


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===== < Envelope Reactions > =====												
+----- Forces -----+						----- Moments -----+						
Joint	X	lc	Y	lc	Z	lc	Mx	lc	My	lc	Mz	lc
-----K-----K-----K-----K-ft-----K-ft-----K-ft-----												
Tot: U	29.60	3	44.03	1	0.00	1						
L	-29.60	2	23.31	2	0.00	1						

===== < Envelope Section Forces > =====													
Member		Shear				Shear				Moment		Moment	
Sec		Axial	lc	y-y	lc	z-z	lc	Torque	lc	y-y	lc	z-z	lc
		K		K		K		K-ft		K-ft		K-ft	
1	1 U	8.01	3	5.40	2	0.00	1	0.00	1	0.00	1	0.00	1
	L	-8.11	2	-5.40	3	0.00	1	0.00	1	0.00	1	0.00	1
	2 U	8.01	3	5.40	2	0.00	1	0.00	1	0.00	1	14.40	3
	L	-8.11	2	-5.40	3	0.00	1	0.00	1	0.00	1	-14.42	2
	3 U	8.01	3	5.40	2	0.00	1	0.00	1	0.00	1	28.80	3
	L	-8.11	2	-5.40	3	0.00	1	0.00	1	0.00	1	-28.83	2
	4 U	8.01	3	5.40	2	0.00	1	0.00	1	0.00	1	43.21	3
	L	-8.11	2	-5.40	3	0.00	1	0.00	1	0.00	1	-43.25	2
	5 U	8.01	3	5.40	2	0.00	1	0.00	1	0.00	1	57.61	3
	L	-8.11	2	-5.40	3	0.00	1	0.00	1	0.00	1	-57.67	2
2	1 U	3.20	2	6.40	2	0.00	1	0.00	1	0.00	1	0.00	1
	L	-2.81	3	-6.46	3	0.00	1	0.00	1	0.00	1	0.00	1
	2 U	3.20	2	6.40	2	0.00	1	0.00	1	0.00	1	17.22	3
	L	-2.81	3	-6.46	3	0.00	1	0.00	1	0.00	1	-17.07	2
	3 U	3.20	2	6.40	2	0.00	1	0.00	1	0.00	1	34.45	3
	L	-2.81	3	-6.46	3	0.00	1	0.00	1	0.00	1	-34.13	2
	4 U	3.20	2	6.40	2	0.00	1	0.00	1	0.00	1	51.67	3
	L	-2.81	3	-6.46	3	0.00	1	0.00	1	0.00	1	-51.20	2
	5 U	3.20	2	6.40	2	0.00	1	0.00	1	0.00	1	68.90	3
	L	-2.81	3	-6.46	3	0.00	1	0.00	1	0.00	1	-68.26	2
3	1 U	20.88	1	6.22	2	0.00	1	0.00	1	0.00	1	0.00	1
	L	7.21	2	-6.29	3	0.00	1	0.00	1	0.00	1	0.00	1
	2 U	20.88	1	6.22	2	0.00	1	0.00	1	0.00	1	16.77	3
	L	7.21	2	-6.29	3	0.00	1	0.00	1	0.00	1	-16.60	2
	3 U	20.88	1	6.22	2	0.00	1	0.00	1	0.00	1	33.54	3
	L	7.21	2	-6.29	3	0.00	1	0.00	1	0.00	1	-33.19	2
	4 U	20.88	1	6.22	2	0.00	1	0.00	1	0.00	1	50.31	3
	L	7.21	2	-6.29	3	0.00	1	0.00	1	0.00	1	-49.79	2
	5 U	20.88	1	6.22	2	0.00	1	0.00	1	0.00	1	67.09	3
	L	7.21	2	-6.29	3	0.00	1	0.00	1	0.00	1	-66.39	2
4	1 U	22.66	1	6.41	2	0.00	1	0.00	1	0.00	1	0.00	1
	L	10.84	3	-6.38	3	0.00	1	0.00	1	0.00	1	0.00	1
	2 U	22.66	1	6.41	2	0.00	1	0.00	1	0.00	1	17.02	3
	L	10.84	3	-6.38	3	0.00	1	0.00	1	0.00	1	-17.10	2
	3 U	22.66	1	6.41	2	0.00	1	0.00	1	0.00	1	34.03	3
	L	10.84	3	-6.38	3	0.00	1	0.00	1	0.00	1	-34.19	2

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CHUCK E. CHEESE'S
COVINA, CA.

=====< Envelope Section Forces >=====													
Member		Axial		Shear		Shear		Torque		Moment		Moment	
Sec		lc		lc		lc		lc		lc		lc	
		K		K		K		K-ft		K-ft		K-ft	
4	U	22.66	1	6.41	2	0.00	1	0.00	1	0.00	1	51.05	3
	L	10.84	3	-6.38	3	0.00	1	0.00	1	0.00	1	-51.29	2
5	U	22.66	1	6.41	2	0.00	1	0.00	1	0.00	1	68.06	3
	L	10.84	3	-6.38	3	0.00	1	0.00	1	0.00	1	-68.38	2

5	1 U	7.86	2	5.28	2	0.00	1	0.00	1	0.00	1	0.00	1
	L	-7.63	3	-5.19	3	0.00	1	0.00	1	0.00	1	0.00	1
	2 U	7.86	2	5.28	2	0.00	1	0.00	1	0.00	1	13.85	3
	L	-7.63	3	-5.19	3	0.00	1	0.00	1	0.00	1	-14.08	2
	3 U	7.86	2	5.28	2	0.00	1	0.00	1	0.00	1	27.69	3
	L	-7.63	3	-5.19	3	0.00	1	0.00	1	0.00	1	-28.16	2
	4 U	7.86	2	5.28	2	0.00	1	0.00	1	0.00	1	41.54	3
	L	-7.63	3	-5.19	3	0.00	1	0.00	1	0.00	1	-42.23	2
	5 U	7.86	2	5.28	2	0.00	1	0.00	1	0.00	1	55.39	3
	L	-7.63	3	-5.19	3	0.00	1	0.00	1	0.00	1	-56.31	2

6	1 U	24.16	2	8.01	3	0.00	1	0.00	1	0.00	1	57.61	3
	L	-24.24	3	-8.11	2	0.00	1	0.00	1	0.00	1	-57.67	2
	2 U	24.16	2	8.01	3	0.00	1	0.00	1	0.00	1	33.58	3
	L	-24.24	3	-8.11	2	0.00	1	0.00	1	0.00	1	-33.34	2
	3 U	24.16	2	8.01	3	0.00	1	0.00	1	0.00	1	9.55	3
	L	-24.24	3	-8.11	2	0.00	1	0.00	1	0.00	1	-9.02	2
	4 U	24.16	2	8.01	3	0.00	1	0.00	1	0.00	1	15.31	2
	L	-24.24	3	-8.11	2	0.00	1	0.00	1	0.00	1	-14.47	3
	5 U	24.16	2	8.01	3	0.00	1	0.00	1	0.00	1	39.63	2
	L	-24.24	3	-8.11	2	0.00	1	0.00	1	0.00	1	-38.50	3

7	1 U	17.77	2	5.20	3	0.00	1	0.00	1	0.00	1	30.40	3
	L	-17.77	3	-4.91	2	0.00	1	0.00	1	0.00	1	-28.63	2
	2 U	17.77	2	5.20	3	0.00	1	0.00	1	0.00	1	14.80	3
	L	-17.77	3	-4.91	2	0.00	1	0.00	1	0.00	1	-13.90	2
	3 U	17.77	2	5.20	3	0.00	1	0.00	1	0.00	1	0.84	2
	L	-17.77	3	-4.91	2	0.00	1	0.00	1	0.00	1	-0.79	3
	4 U	17.77	2	5.20	3	0.00	1	0.00	1	0.00	1	15.57	2
	L	-17.77	3	-4.91	2	0.00	1	0.00	1	0.00	1	-16.38	3
	5 U	17.77	2	5.20	3	0.00	1	0.00	1	0.00	1	30.31	2
	L	-17.77	3	-4.91	2	0.00	1	0.00	1	0.00	1	-31.97	3

8	1 U	11.59	2	8.94	3	0.00	1	0.00	1	0.00	1	35.11	3
	L	-11.55	3	-8.86	2	0.00	1	0.00	1	0.00	1	-36.08	2
	2 U	11.59	2	8.94	3	0.00	1	0.00	1	0.00	1	18.36	3
	L	-11.55	3	-8.86	2	0.00	1	0.00	1	0.00	1	-19.47	2
	3 U	11.59	2	8.94	3	0.00	1	0.00	1	0.00	1	1.60	3
	L	-11.55	3	-8.86	2	0.00	1	0.00	1	0.00	1	-2.86	2
	4 U	11.59	2	8.94	3	0.00	1	0.00	1	0.00	1	13.75	2
	L	-11.55	3	-8.86	2	0.00	1	0.00	1	0.00	1	-15.15	3

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Tustin, CA 92780

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CHUCK E. CHEESE'S
COVINA, CA.

===== < Envelope Section Forces > =====													
Member		Axial	lc	Shear y-y	lc	Shear z-z	lc	Torque	lc	Moment y-y	lc	Moment z-z	lc
	Sec	-K-		-K-		-K-		-K-ft-		-K-ft-		-K-ft-	
	5 U	11.59	2	8.94	3	0.00	1	0.00	1	0.00	1	30.36	2
	L	-11.55	3	-8.86	2	0.00	1	0.00	1	0.00	1	-31.91	3

	9 1 U	5.24	2	7.63	3	0.00	1	0.00	1	0.00	1	36.16	3
	L	-5.23	3	-7.86	2	0.00	1	0.00	1	0.00	1	-38.02	2
	2 U	5.24	2	7.63	3	0.00	1	0.00	1	0.00	1	13.27	3
	L	-5.23	3	-7.86	2	0.00	1	0.00	1	0.00	1	-14.44	2
	3 U	5.24	2	7.63	3	0.00	1	0.00	1	0.00	1	9.14	2
	L	-5.23	3	-7.86	2	0.00	1	0.00	1	0.00	1	-9.61	3
	4 U	5.24	2	7.63	3	0.00	1	0.00	1	0.00	1	32.73	2
	L	-5.23	3	-7.86	2	0.00	1	0.00	1	0.00	1	-32.50	3
	5 U	5.24	2	7.63	3	0.00	1	0.00	1	0.00	1	56.31	2
	L	-5.23	3	-7.86	2	0.00	1	0.00	1	0.00	1	-55.39	3

===== < Envelope Section Deflections > =====													
		+----- Translation -----+						Defls as L/n Ratios					
Memb	Sec	x	lc	y	lc	z	lc	Rot x	lc	L/n(y)	lc	L/n(z)	lc
		in		in		in		rad		rad		rad	
1	1 U	0.000	1	0.000	1	0.000	1	0.00000	1	NC	1	NC	1
	L	0.000	1	0.000	1	0.000	1	0.00000	1	NC	1	NC	1
	2 U	0.001	2	0.212	3	0.000	1	0.00000	1	2390.4	3	NC	1
	L	-0.001	3	-0.212	2	0.000	1	0.00000	1	2388.0	2	NC	1
	3 U	0.002	2	0.403	3	0.000	1	0.00000	1	1494.0	3	NC	1
	L	-0.002	3	-0.403	2	0.000	1	0.00000	1	1492.5	2	NC	1
	4 U	0.003	2	0.551	3	0.000	1	0.00000	1	1707.4	3	NC	1
	L	-0.003	3	-0.551	2	0.000	1	0.00000	1	1705.7	2	NC	1
	5 U	0.003	2	0.635	3	0.000	1	0.00000	1	NC	3	NC	1
	L	-0.003	3	-0.634	2	0.000	1	0.00000	1	NC	2	NC	1

2	1 U	0.000	1	0.000	1	0.000	1	0.00000	1	NC	1	NC	1
	L	0.000	1	0.000	1	0.000	1	0.00000	1	NC	1	NC	1
	2 U	0.000	3	0.221	3	0.000	1	0.00000	1	1998.8	3	NC	1
	L	0.000	2	-0.220	2	0.000	1	0.00000	1	2017.3	2	NC	1
	3 U	0.001	3	0.416	3	0.000	1	0.00000	1	1249.2	3	NC	1
	L	-0.001	2	-0.414	2	0.000	1	0.00000	1	1260.8	2	NC	1
	4 U	0.001	3	0.559	3	0.000	1	0.00000	1	1427.7	3	NC	1
	L	-0.001	2	-0.558	2	0.000	1	0.00000	1	1440.9	2	NC	1
	5 U	0.001	3	0.626	3	0.000	1	0.00000	1	NC	3	NC	1
	L	-0.001	2	-0.625	2	0.000	1	0.00000	1	204.8	2	NC	1

3	1 U	0.000	1	0.000	1	0.000	1	0.00000	1	NC	1	NC	1
	L	0.000	1	0.000	1	0.000	1	0.00000	1	NC	1	NC	1
	2 U	-0.001	2	0.217	3	0.000	1	0.00000	1	2052.7	3	NC	1
	L	-0.002	1	-0.216	2	0.000	1	0.00000	1	2074.3	2	NC	1

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CHUCK E. CHEESE'S
COVINA, CA.

=====< Envelope Section Deflections >=====													
		+----- Translation -----+						Defls as L/n Ratios					
Memb	Sec	x	lc	y	lc	z	lc	Rot x	lc	L/n(y)	lc	L/n(z)	lc
		in		in		in		rad		rad		rad	
3	U	-0.002	2	0.410	3	0.000	1	0.00000	1	1282.9	3	NC	1
	L	-0.004	1	-0.408	2	0.000	1	0.00000	1	1296.4	2	NC	1
4	U	-0.002	2	0.552	3	0.000	1	0.00000	1	1466.2	3	NC	1
	L	-0.007	1	-0.550	2	0.000	1	0.00000	1	1481.6	2	NC	1
5	U	-0.003	2	0.620	3	0.000	1	0.00000	1	206.7	3	NC	1
	L	-0.009	1	-0.619	2	0.000	1	0.00000	1	207.0	2	NC	1

4	1 U	0.000	1	0.000	1	0.000	1	0.00000	1	NC	1	NC	1
	L	0.000	1	0.000	1	0.000	1	0.00000	1	NC	1	NC	1
	2 U	-0.001	3	0.218	3	0.000	1	0.00000	1	2023.2	3	NC	1
	L	-0.002	1	-0.218	2	0.000	1	0.00000	1	2013.8	2	NC	1
	3 U	-0.002	3	0.410	3	0.000	1	0.00000	1	1264.5	3	NC	1
	L	-0.005	1	-0.410	2	0.000	1	0.00000	1	1258.6	2	NC	1
	4 U	-0.003	3	0.551	3	0.000	1	0.00000	1	1445.2	3	NC	1
	L	-0.007	1	-0.551	2	0.000	1	0.00000	1	1438.4	2	NC	1
	5 U	-0.005	3	0.617	3	0.000	1	0.00000	1	207.6	3	NC	1
	L	-0.010	1	-0.616	2	0.000	1	0.00000	1	207.9	2	NC	1

5	1 U	0.000	1	0.000	1	0.000	1	0.00000	1	NC	1	NC	1
	L	0.000	1	0.000	1	0.000	1	0.00000	1	NC	1	NC	1
	2 U	0.001	3	0.205	3	0.000	1	0.00000	1	2486.3	3	NC	1
	L	-0.001	2	-0.206	2	0.000	1	0.00000	1	2445.4	2	NC	1
	3 U	0.002	3	0.390	3	0.000	1	0.00000	1	1553.9	3	NC	1
	L	-0.002	2	-0.391	2	0.000	1	0.00000	1	1528.4	2	NC	1
	4 U	0.002	3	0.533	3	0.000	1	0.00000	1	1775.9	3	NC	1
	L	-0.003	2	-0.534	2	0.000	1	0.00000	1	1746.7	2	NC	1
	5 U	0.003	3	0.615	3	0.000	1	0.00000	1	NC	3	NC	1
	L	-0.003	2	-0.614	2	0.000	1	0.00000	1	208.5	2	NC	1

6	1 U	0.634	2	0.003	2	0.000	1	0.00000	1	NC	2	NC	1
	L	-0.635	3	-0.003	3	0.000	1	0.00000	1	NC	3	NC	1
	2 U	0.632	2	0.018	3	0.000	1	0.00000	1	7257.3	3	NC	1
	L	-0.633	3	-0.017	2	0.000	1	0.00000	1	7442.9	2	NC	1
	3 U	0.630	2	0.013	3	0.000	1	0.00000	1	NC	3	NC	1
	L	-0.631	3	-0.013	2	0.000	1	0.00000	1	NC	2	NC	1
	4 U	0.627	2	0.002	3	0.000	1	0.00000	1	NC	3	NC	1
	L	-0.628	3	-0.001	2	0.000	1	0.00000	1	NC	2	NC	1
	5 U	0.625	2	0.001	3	0.000	1	0.00000	1	NC	3	NC	1
	L	-0.626	3	-0.001	2	0.000	1	0.00000	1	NC	2	NC	1

7	1 U	0.625	2	0.001	3	0.000	1	0.00000	1	NC	3	NC	1
	L	-0.626	3	-0.001	2	0.000	1	0.00000	1	NC	2	NC	1
	2 U	0.624	2	0.004	3	0.000	1	0.00000	1	NC	3	NC	1
	L	-0.624	3	-0.006	2	0.000	1	0.00000	1	NC	2	NC	1
	3 U	0.622	2	-0.001	2	0.000	1	0.00000	1	NC	2	NC	1
	L	-0.623	3	-0.004	1	0.000	1	0.00000	1	NC	1	NC	1

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Tustin, CA 92780

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CHUCK E. CHEESE'S
COVINA, CA.

===== < Envelope Section Deflections > =====														
		+----- Translation -----+						Defls as L/n Ratios						
Memb	Sec	x	lc	y	lc	z	lc	Rot	x	lc	L/n(y)	lc	L/n(z)	lc
		in		in		in		rad		rad		rad		
4	U	0.620	2	0.004	2	0.000	1	0.00000	1		NC 2		NC 1	
	L	-0.621	3	-0.011	3	0.000	1	0.00000	1		NC 3		NC 1	
5	U	0.619	2	-0.003	2	0.000	1	0.00000	1		NC 2		NC 1	
	L	-0.620	3	-0.009	1	0.000	1	0.00000	1		NC 1		NC 1	

8	1	U	0.619	2	-0.003	2	0.000	1	0.00000	1		NC 2		NC 1
		L	-0.620	3	-0.009	1	0.000	1	0.00000	1		NC 1		NC 1
	2	U	0.618	2	-0.003	3	0.000	1	0.00000	1		NC 3		NC 1
		L	-0.619	3	-0.010	1	0.000	1	0.00000	1		NC 1		NC 1
	3	U	0.617	2	-0.005	3	0.000	1	0.00000	1		NC 3		NC 1
		L	-0.618	3	-0.010	1	0.000	1	0.00000	1		NC 1		NC 1
	4	U	0.617	2	-0.004	2	0.000	1	0.00000	1		NC 2		NC 1
		L	-0.618	3	-0.010	1	0.000	1	0.00000	1		NC 1		NC 1
	5	U	0.616	2	-0.005	3	0.000	1	0.00000	1		NC 3		NC 1
		L	-0.617	3	-0.010	1	0.000	1	0.00000	1		NC 1		NC 1

9	1	U	0.616	2	-0.005	3	0.000	1	0.00000	1		NC 3		NC 1
		L	-0.617	3	-0.010	1	0.000	1	0.00000	1		NC 1		NC 1
	2	U	0.616	2	-0.004	2	0.000	1	0.00000	1		NC 2		NC 1
		L	-0.616	3	-0.008	1	0.000	1	0.00000	1		NC 1		NC 1
	3	U	0.615	2	0.009	2	0.000	1	0.00000	1		NC 2		NC 1
		L	-0.616	3	-0.015	3	0.000	1	0.00000	1	9942.7	3		NC 1
	4	U	0.615	2	0.015	2	0.000	1	0.00000	1	7494.8	2		NC 1
		L	-0.615	3	-0.018	3	0.000	1	0.00000	1	7391.8	3		NC 1
	5	U	0.614	2	0.003	3	0.000	1	0.00000	1		NC 3		NC 1
		L	-0.615	3	-0.003	2	0.000	1	0.00000	1		NC 2		NC 1

===== < Envelope AISC Unity Checks > =====														
Memb	Unity			Shear			Fa	Fb yy	Fb zz	Cb	Cm yy	Cm zz	ASD Eqn	
	Chk	Loc	lc	Chk	Loc	lc								
-----Ksi-----Ksi-----Ksi-----														
1	0.554	5	2	0.090	1	y	2	7.22	35.99	28.79	1.00	0.60	0.60	H2-1
2	0.639	5	3	0.108	1	y	3	7.22	35.99	28.79	1.00	0.60	0.60	H2-1
3	0.663	5	3	0.105	1	y	3	7.22	35.99	28.79	1.00	0.60	0.60	H1-2
4	0.669	5	2	0.107	1	y	2	7.22	35.99	28.79	1.00	0.60	0.60	H1-2
5	0.541	5	2	0.088	1	y	2	7.22	35.99	28.79	1.00	0.60	0.60	H1-2
6	0.451	1	2	0.078	1	y	2	21.55	35.99	22.55	1.00	0.60	0.33	H1-2
7	0.250	5	2	0.050	1	y	3	21.55	35.99	22.55	1.00	0.60	0.22	H1-2
8	0.221	1	2	0.086	1	y	3	25.00	35.99	28.79	1.00	0.60	0.26	H1-2
9	0.394	5	2	0.076	1	y	2	21.55	35.99	22.55	1.00	0.60	0.33	H1-2

14081 Yorba Street, Suite 105
Tustin, Ca. 92780

Title :
Dsgnr: *R.C.*
Description :

Job # *18168*
Date: 1:22PM, 8 JUN 98

Scope :

Steel Column Base Plate

General Information

Description CHUCK E. CHEESE'S PIZZA

Axial Load 23.00 k
X-X Axis Moment 0.00 k-ft

Plate Height 12.000 in
Plate Width 12.000 in

Pier Height 60.000 in
Pier Width 60.000 in

f_c 2,500.0 psi
F_y 36.00 ksi
LDF 1.330

Steel Section W12x35
Section Depth 12.500 in
Section Width 6.560 in
Flange Thick 0.520 in
Web Thick 0.300 in

Anchor Bolt Data
Dist. from Plate Edge 1.500 in
Bolt Count per Side 2
Tension Capacity 8.800 k
Bolt Area 0.442 in²

Summary

Plate Design

Min. Req'd Plate Thick 0.404 in
Analysis Type 3
Tension Force per Bolt 0.000 k
Bearing Stress 159.72 psi

Max Plate Capacity for
Allow. Bearing 335.16k

Allow Concrete Bearing

Per ACI 10.15 2,975.0 psi
Per AISC J9 2,327.5 psi

Plate Analysis for Specified Thickness

Plate Thickness 0.0000 in
Max Allow Plate Fb 35,910.0 psi
Actual fb 0.0 psi



KEN OKAMOTO & ASSOCIATES, INC.
STRUCTURAL ENGINEERS

SHEET 12

JOB 98168

BY RC

FOOTING

$$P_1 = 23K/1 = 23\#$$

→ 5" SQ x 18"
w/ (6) #5 EW

CHECK EXIST'G FOOT'G FOR $P_1 = 5.7K$

$$L = \frac{5.7}{1.0} = 5.7'$$

$$M = \frac{1.44 (2.85 - 0.23)^2}{2} = 3.43'K$$

$$A_s = \frac{3.43}{1.44 \times 14.7} = 0.16\#$$

EXIST 12" x 18" w/ 1-#5 @
T & B

O.K

$$V = \frac{5700 \times 1.5}{16.97 \times 12} = 42\text{ PSI} < 60 \text{ O.K.}$$

$$P_2 = 4.3K/1 = 4.3\#$$

→ 3" SQ x 18"
w/ (4) #5 EW

Title 24 Report for:
CHUCK E. CHEESE #413
601 AZUSA AVENUE
COVINA, CA

Project Designer:

CORTLAND MORGAN ARCHITECT AIA
6910 WOODLAND DRIVE
DALLS, TX 75225
(214) 368-3687

Report Prepared By:

Dennis A. McClain
Title 24-Data, Ltd.
632 Glendale Trail
Frazier Park, CA 93225
(805) 245-6372

Job Number:

106181

Date:

6/16/98

Certifications

California Building Codes Institute
Energy Plans Examiner NRE 88-1056 - RES 89-3103
CABEC - Certified Energy Analyst

Member

California Association of Building Energy Consultants (CABEC)
Association of Professional Energy Managers (APEM)
Association of Energy Engineers (AEE)
Air Conditioning Contractors of America (ACCA)

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CERTIFICATE OF COMPLIANCE

Part 1 of 2

ENV-1

PROJECT NAME CHUCK E. CHEESE #413		DATE 6/16/98
PROJECT ADDRESS 601 AZUSA AVENUE COVINA		Building Permit #
PRINCIPAL DESIGNER - ENVELOPE CORTLAND MORGAN ARCHITECT AIA	TELEPHONE (214) 368-3687	
DOCUMENTATION AUTHOR Title 24-Data, Ltd.	TELEPHONE (805) 245-6372	Checked by/Date <i>Enforcement Agency Use</i>

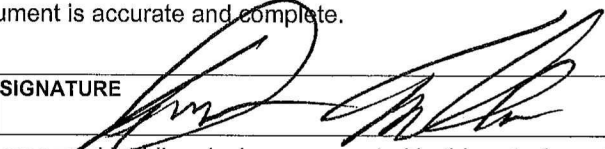
GENERAL INFORMATION

DATE OF PLANS	BUILDING CONDITIONED FLOOR AREA 4,340 Sq.Ft.	CLIMATE ZONE 9
BUILDING TYPE	☒ NONRESIDENTIAL ☐ HIGH RISE RESIDENTIAL ☐ HOTEL/MOTEL GUEST ROOM	
PHASE OF CONSTRUCTION	☐ NEW CONSTRUCTION ☒ ADDITION ☐ ALTERATION ☐ EXISTING + ADDITION	
METHOD OF ENVELOPE COMPLIANCE	☐ COMPONENT ☒ OVERALL ENVELOPE ☐ PERFORMANCE	

STATEMENT OF COMPLIANCE

This Certificate of Compliance lists the building features and performance specifications needed to comply with Title 24, Parts 1 and 6 of the California Code of Regulations. This certificate applies only to building envelope requirements.

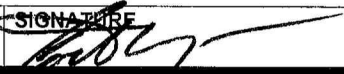
The documentation preparer hereby certifies that the document is accurate and complete.

DOCUMENTATION AUTHOR Dennis A. McClain	SIGNATURE 	DATE 6-16-98
--	---	------------------------

The Principal Envelope Designer hereby certifies that the proposed building design represented in this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other calculations submitted with this permit application. The proposed building has been designed to meet the envelope requirements contained in Sections 110, 116 through 118, and 140, 142, 143 or 149 of Title 24, Part 6, Chapter 1.

Please check one:

- ☒ I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am a civil engineer or architect.
- ☐ I affirm that I am eligible under the exemption to Division 3 of the Business and Professions Code by Section 5537.2 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am a licensed contractor preparing documents for work that I have contracted to perform.
- ☐ I affirm that I am eligible under the exemption to Division 3 of the Business and Professions Code by Section _____ of the _____ Code to sign this document as the person responsible for its preparation; and for the following reason: _____.

PRINCIPAL ENVELOPE DESIGNER - NAME CORTLAND MORGAN ARCHITECT AIA	SIGNATURE 	LIC. NO. CC5599	DATE 6/30/98
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ENVELOPE MANDATORY MEASURES

Indicate location on plans of Note Block for Mandatory Measures

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INSTRUCTIONS TO APPLICANT

For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, please refer to the Nonresidential Manual published by the California Energy Commission.

ENV-1: Required on plans for all submittals. Part 2 may be incorporated in schedules on plans.

ENV-2: Used for all submittals; choose appropriate version depending on method of envelope compliance.

ENV-3: Optional. Use if default U-values are not used. Choose appropriate version for assembly U-value to be calculated.

ENV-1

6/16/98

Page:4 of 40

PROJECT NAME

CHUCK E. CHEESE #413

DATE

6/16/98

WINDOW AREA TEST

A. DISPLAY PERIMETER ft X 6 = sf DISPLAY AREA

B. GROSS EXTERIOR WALL AREA sf X 0.40 = sf 40% AREA

C. GROSS EXTERIOR WALL AREA sf X 0.10 = sf MINIMUM STND. AREA

D. ENTER LARGER OF A or B sf MAXIMUM STND. AREA

E. ENTER PROPOSED WINDOW AREA sf PROPOSED AREA

IF E IS GREATER THAN D OR LESS THAN C, PROCEED TO THE NEXT CALCULATION FOR THE WINDOW AREA ADJUSTMENT. IF NOT, GO TO PART 2 OF 4.

1. IF GREATER THAN D:

D. MAXIMUM STANDARD AREA ÷ E. PROPOSED AREA = WINDOW ADJUSTMENT FACTOR

(IF E=0, THEN ENTER C)

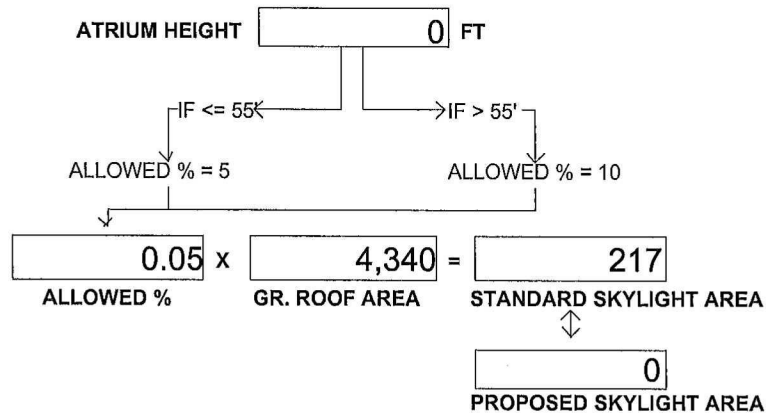
GO TO PART 4 OF 4 TO CALCULATE ADJUSTED AREAS.

2. IF LESS THAN C:

C. MINIMUM STANDARD AREA ÷ E. PROPOSED AREA = WINDOW ADJUSTMENT FACTOR

GO TO PART 4 OF 4 TO CALCULATE ADJUSTED AREAS.

SKYLIGHT AREA TEST



IF THE PROPOSED SKYLIGHT AREA IS GREATER THAN THE STANDARD SKYLIGHT AREA, PROCEED TO THE NEXT CALCULATION FOR THE SKYLIGHT AREA ADJUSTMENT. IF NOT, GO TO PART 2 OF 4.

1. IF PROPOSED SKYLIGHT AREA > STANDARD SKYLIGHT AREA:

STANDARD SKYLIGHT AREA ÷ PROPOSED SKYLIGHT AREA = SKYLIGHT ADJUSTMENT FACTOR

GO TO PART 4 OF 4 TO CALCULATE ADJUSTED AREAS.

ENV-2

6/16/98

1,400

ENV-2

6/16/98

354

ENV-2

6/16/98

☒ CHECK IF NOT APPLICABLE (See Part 1 of 4.)

☒ CHECK IF NOT APPLICABLE (See Part 1 of 4.)										
A					B	C	D	E	F	G
WALL NAME (e.g. Wall-1, Wall-2)	ORIENTATION				GROSS AREA	DOOR AREA	WINDOW AREA	WINDOW ADJUST. FACTOR (From Part 1)	ADJUSTED WINDOW AREA (D X E)	ADJUSTED WALL AREA B - (F + C)
	N	E	S	W						
	☐	☐	☐	☐						
	☐	☐	☐	☐						
	☐	☐	☐	☐						
	☐	☐	☐	☐						
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	☐	☐	☐	☐						
	☐	☐	☐	☐						
	☐	☐	☐	☐						
	☐	☐	☐	☐						
TOTALS								N/A		

☒ CHECK IF NOT APPLICABLE (See Part 1 of 4.)

☒ CHECK IF NOT APPLICABLE (See Part 1 of 4.)						
A		B	C	D	E	F
ROOF NAME (e.g. Roof-1, Roof-2)		GROSS AREA	SKYLIGHT AREA	SKYLIGHT ADJUST. FACTOR (From Part. 1)	ADJUSTED SKYLIGHT AREA (C X D)	ADJUSTED ROOF AREA (B - E)
TOTALS				N/A		

PROPOSED CONSTRUCTION ASSEMBLY

ENV-3

PROJECT NAME

CHUCK E. CHEESE #413

DATE

6/16/98

COMPONENT DESCRIPTION

OUTSIDE INSIDE SKETCH OF ASSEMBLY	ASSEMBLY NAME R-19 Metal Stud Wall ASSEMBLY TYPE (check one) ☒ Floor ☒ Wall ☐ Ceiling / Roof FRAMING MATERIAL Metal FRAMING % 15%	Fr % 15% (16" o.c. Wall) 12% (24" o.c. Wall) 10% (16" o.c. Floor/Ceil.) 7% (24" o.c. Floor/Ceil.)
--	--	--

CONSTRUCTION COMPONENTS

DESCRIPTION		FRAMING	THICK- NESS (in.)	R-VALUE		*HEAT CAPACITY (Optional)		
				CAVITY R-VALUE (Rc)	WOOD FRAME R-VALUE	WALL WEIGHT (lbs/sf)	SPECIFIC HEAT (Btu/F-lb)	HC (A X B) (Btu/F-sf)
	OUTSIDE SURFACE AIR FILM		—	0.170		—	—	—
1	Stucco	☐	0.875	0.175		8.46	0.20	1.69
2	Plywood	☐	0.625	0.775		1.77	0.29	0.51
3	Insulation, Mineral Fiber, R-19	☒	6.000	19.002		0.30	0.17	0.05
4	Gypsum or Plaster Board	☐	0.500	0.450		2.08	0.26	0.54
5		☐						
6		☐						
7		☐						
8		☐						
9		☐						
	INSIDE SURFACE AIR FILM		—	0.680		—	—	—
SUBTOTAL				21.25		12.6	TOTAL HC	2.8
				Rc	Rf			

*NOTE: Weight and Specific Heat values for materials penetrated by wood framing include the effects of the framing members.

	X		+		X		=	0.145
1 / Rc		1 - (Fr% / 100)		1 / Rf		Fr% / 100		ASSEMBLY U-VALUE

COMMENTS

This assembly contains metal framing. The Assembly U-Value has been calculated using the ASHRAE/CEC Zonal Cavity Method.

ENVELOPE MANDATORY MEASURES

ENV-MM

PROJECT NAME CHUCK E. CHEESE #413	DATE 6/16/98
---	------------------------

DESCRIPTION	Designer	Enforcement
☒ § 118(a) Installed Insulating Material shall have been certified by the manufacturer to comply with the California Quality Standards for insulating material, Title 20, Chapter 4, Article 3.		
☒ § 118(c) All Insulating Materials shall be installed in compliance with the flame spread rating and smoke density requirements of Sections 2602 and 707 of the Title 24, Part 2.		
☐ § 117(a) All Exterior Joints and openings in the building that are observable sources of air leakage shall be caulked, gasketed, weatherstripped or otherwise sealed.		
☒ § 116(b) Site Constructed Doors, Windows and Skylights shall be caulked between the unit and the building, and shall be weatherstripped (except for unframed glass doors and fire doors).		
☒ § 116(a)1 Manufactured Doors and Windows installed shall have air infiltration rates not exceeding those shown in Table Number 1-E. of the Standards. Manufactured fenestration products must be labeled for U-value according to NFRC procedures.		
☒ § 118(e) Demising Walls in Nonresidential Buildings: The opaque portions of framed demising walls in nonresidential buildings shall have insulation with an installed R-value of no less than R-11 between framing members.		

CERTIFICATE OF COMPLIANCE - Lighting

Part 1 of 2

LTG-1

PROJECT NAME CHUCK E. CHEESE #413		DATE 6/16/98
PROJECT ADDRESS 601 AZUSA AVENUE COVINA		Building Permit #
PRINCIPAL DESIGNER - LIGHTING R.G. FREEMAN	TELEPHONE (800) 363-6099	
DOCUMENTATION AUTHOR Title 24-Data, Ltd.	TELEPHONE (805) 245-6372	Checked by/Date <i>Enforcement Agency Use</i>

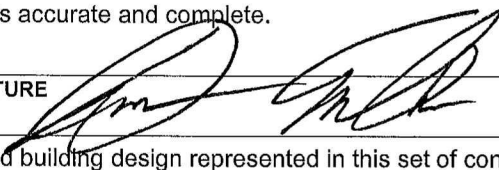
GENERAL INFORMATION

DATE OF PLANS	BUILDING CONDITIONED FLOOR AREA 4,340 Sq.Ft.	CLIMATE ZONE 9
BUILDING TYPE	☒ NONRESIDENTIAL ☐ HIGH RISE RESIDENTIAL ☐ HOTEL/MOTEL GUEST ROOM	
PHASE OF CONSTRUCTION	☐ NEW CONSTRUCTION ☒ ADDITION ☐ ALTERATION ☐ EXISTING + ADDITION	
METHOD OF LIGHTING COMPLIANCE	☐ COMPLETE BUILDING ☐ AREA CATEGORY ☒ TAILORED ☐ PERFORMANCE	

STATEMENT OF COMPLIANCE

This Certificate of Compliance lists the building features and performance specifications needed to comply with Title 24, Parts 1 and 6 of the California Code of Regulations. This certificate applies only to building lighting requirements.

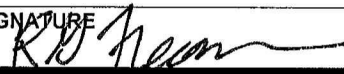
The documentation preparer hereby certifies that the document is accurate and complete.

DOCUMENTATION AUTHOR Dennis A. McClain	SIGNATURE 	DATE 6-16-98
--	---	------------------------

The Principal Lighting Designer hereby certifies that the proposed building design represented in this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other calculations submitted with this permit application. The proposed building has been designed to meet the lighting requirements contained in Sections 110, 119, 130 through 132, and 146 or 149.

Please check one:

- ☒ I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am a civil engineer, electrical engineer or architect.
- ☐ I affirm that I am eligible under the exemption to Division 3 of the Business and Professions Code by Section 5537.2 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am a licensed contractor preparing documents for work that I have contracted to perform.
- ☐ I affirm that I am eligible under the exemption to Division 3 of the Business and Professions Code by Section _____ of the _____ Code to sign this document as the person responsible for its preparation; and for the following reason: _____

PRINCIPAL LIGHTING DESIGNER - NAME R.G. FREEMAN	SIGNATURE 	LIC. NO. E 9044	DATE 6-29-98
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LIGHTING MANDATORY MEASURES

Indicate location on plans of Note Block for Mandatory Measures

 124

INSTRUCTIONS TO APPLICANT

For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, please refer to the Nonresidential Manual published by the California Energy Commission.

LTG-1: Required on plans for all submittals. Part 2 may be incorporated in schedules on plans.

LTG-2: Required on all submittals.

LTG-3: Optional. Use only if lighting control credits are taken.

LTG-4: Optional. Use only if Tailored method is used. Parts 2 and 3 used only if applicable.

6/16/98

INSTALLED LIGHTING SCHEDULE

[illegible]

MANDATORY AUTOMATIC CONTROLS

CONTROL LOCATION (Room #)	CONTROL IDENTIFICATION	CONTROL TYPE (Auto Time Switch, Exterior, etc.)	SPACE CONTROLLED	NOTE TO FIELD

CONTROLS FOR CREDIT

[illegible]

NOTES TO FIELD - For Building Department Use Only

LIGHTING COMPLIANCE SUMMARY

LTG-2

PROJECT NAME

CHUCK E. CHEESE #413

DATE

6/16/98

ACTUAL LIGHTING POWER

LUMINAIRE NAME	DESCRIPTION	NUMBER OF LUMINAIRES	WATTS PER LUMINAIRE (Including Ballast)	CEC DEFAULT		TOTAL WATTS
				Y	N*	
A/B	(3) 4 ft Fluorescent T8 Elec	12	94.0	☒	☐	1,128.0
D1	(2) 18w Compact Fluorescent Triple 4 Pin	14	50.0	☒	☐	700.0
D1/R	(2) 18w Compact Fluorescent Triple 4 Pin	51	50.0	☒	☐	2,550.0
F1	(1) 2 ft Fluorescent T8 Elec	3	22.0	☒	☐	66.0
F3	(1) 4 ft Fluorescent T8 Elec	24	32.0	☒	☐	768.0
K1	45 w Track Light 45 w per Foot	24	45.0	☒	☐	1,080.0
				☐	☐	
				☐	☐	
				☐	☐	
				☐	☐	
				☐	☐	

PAGE TOTAL

6,292

BUILDING TOTAL

6,292

LESS CONTROL CREDIT WATTS
(FROM LTG-3)

0

* If not using the CEC Default value, please provide supporting documentation.

ADJUSTED ACTUAL WATTS

6,292

ALLOWED LIGHTING POWER (Choose One Method)**COMPLETE BUILDING METHOD**

BUILDING CATEGORY (From Table 1-M)	WATTS PER SF	COMPLETE BLDG. AREA	ALLOWED WATTS

AREA CATEGORY METHOD

BUILDING CATEGORY (From Table 1-N)	WATTS PER SF	AREA (SF)	ALLOWED WATTS

PAGE TOTAL

BUILDING TOTAL

AREA

WATTS

TAILORED METHODTOTAL ALLOWED WATTS
(From LTG-4 or from computer run.)

14,960

LTG-4

6/16/98

4. Total Allowed Watts (lines 1+2+3)	→	14.960 watts
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LIGHTING MANDATORY MEASURES

LTG-MM

PROJECT NAME

CHUCK E. CHEESE #413

DATE

6/16/98

DESCRIPTION	Designer	Enforcement
☒ § 131(d)1 Building Lighting Shut-off: The building lighting shut-off system consists of an automatic time switch, with a zone for each floor; or the building is separately metered and less than 5,000 square feet; exempt from the shut-off requirement.		
☒ § 131(d)2 Override for Building Lighting Shut-off: The automatic building shut-off system is provided with a manual, accessible override switch in sight of the lights. The area of override is not to exceed 5,000 square feet.		
☒ § 119(h) Automatic Control Devices Certified: All automatic control devices specified are certified, all alternate equipment shall be certified and installed as directed by the manufacturer.		
☒ Fluorescent Ballast and Luminaires Certified: All fluorescent fixtures specified for the project are certified and listed in the Directory. All installed fixtures shall be certified.		
☐ § 132 Tandem Wiring for One and Three Lamp Fluorescent Fixtures: All one and three lamp fluorescent fixtures are tandem wired with two lamp ballasts where required by Standards Section 132; or all three lamp fluorescent fixtures are specified with electronic high-frequency ballasts and are exempt from tandem wiring requirements.		
☒ § 131(a) Individual Room/Area Controls: Each room and area in this building is equipped with a separate switch or occupancy sensor device for each area with floor-to-ceiling walls.		
☒ § 131(b) Uniform Reduction for Individual Rooms: All rooms and areas greater than 100 square feet and more than 1.2 watts per square foot of lighting load shall be controlled with bi-level switching for uniform reduction of lighting within the room.		
☐ § 131(c) Daylight Area Control: All rooms with windows and skylights that are greater than 250 square feet and that allow for the effective use of daylight in the area shall have 50% of the lamps in each daylit area controlled by a separate switch; or the effective use of daylight cannot be accomplished because the windows are continuously shaded by a building on the adjacent lot. Diagram of shading during different times of the year is included on plans.		
☒ § 131(f) Control of Exterior Lights: Exterior mounted fixtures served from the electrical panel inside the building are controlled with a directional photo cell control on the roof and a corresponding relay in the electrical panel.		
☐ § 131(e) Display Lighting. Display lighting shall be separately switched on circuits that are 20 amps or less.		

CERTIFICATE OF COMPLIANCE

Part 1 of 3

MECH-1

PROJECT NAME CHUCK E. CHEESE #413		DATE 6/16/98
PROJECT ADDRESS 601 AZUSA AVENUE COVINA		Building Permit #
PRINCIPAL DESIGNER - MECHANICAL S. TOUB & ASSOCIATES	TELEPHONE (972) 386-5629	
DOCUMENTATION AUTHOR Title 24-Data, Ltd.	TELEPHONE (805) 245-6372	Checked by/Date <i>Enforcement Agency Use</i>

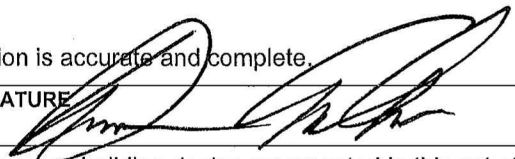
GENERAL INFORMATION

DATE OF PLANS	BUILDING CONDITIONED FLOOR AREA 4,340 Sq.Ft.	CLIMATE ZONE 9
BUILDING TYPE	☒ NONRESIDENTIAL ☐ HIGH RISE RESIDENTIAL ☐ HOTEL/MOTEL GUEST ROOM	
PHASE OF CONSTRUCTION	☐ NEW CONSTRUCTION ☒ ADDITION ☐ ALTERATION ☐ EXISTING + ADDITION	
METHOD OF MECHANICAL COMPLIANCE	☒ PRESCRIPTIVE ☐ PERFORMANCE	
PROOF OF ENVELOPE COMPLIANCE	☐ PREVIOUS ENVELOPE PERMIT ☐ ENVELOPE COMPLIANCE ATTACHED	

STATEMENT OF COMPLIANCE

This Certificate of Compliance lists the building features and performance specifications needed to comply with Title 24, Parts 1 and 6 of the California Code of Regulations. This certificate applies only to building mechanical requirements.

The documentation preparer hereby certifies that the documentation is accurate and complete.

DOCUMENTATION AUTHOR Dennis A. McClain	SIGNATURE 	DATE 6-16-98
--	---	------------------------

The Principal Mechanical Designer hereby certifies that the proposed building design represented in this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other calculations submitted with this permit application. The proposed building has been designed to meet the mechanical requirements contained in Sections 110 through 115, 120 through 124, 140 through 142, 144 and 145.

Please check one:

- ☒ I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am a civil engineer, mechanical engineer or architect.
- ☐ I affirm that I am eligible under the exemption to Division 3 of the Business and Professions Code by Section 5537.2 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am a licensed contractor preparing documents for work that I have contracted to perform.
- ☐ I affirm that I am eligible under the exemption to Division 3 of the Business and Professions Code by Section _____ of the _____ Code to sign this document as the person responsible for its preparation; and for the following reason: _____.

PRINCIPAL MECHANICAL DESIGNER - NAME S. TOUB & ASSOCIATES	SIGNATURE 	LIC. NO. 22581 M	DATE 6/27/98
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MECHANICAL MANDATORY MEASURES

Indicate location on plans of Note Block for Mandatory Measures

124**INSTRUCTIONS TO APPLICANT**

For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, please refer to the Nonresidential Manual published by the California Energy Commission.

- MECH-1: Required on plans for all submittals. Parts 2 & 3 may be incorporated in schedules on plans.
- MECH-2: Required for all submittals; choose appropriate version depending on method of mechanical compliance.
- MECH-3: Required for all submittals, but form does not have to be completed if location of mechanical equipment schedule is indicated on the form per Section 4.3.3.
- MECH-4: Required for all submittals unless required outdoor ventilation rates and airflows are shown on plans per Section 4.3.4.

CERTIFICATE OF COMPLIANCE

Part 2 of 3

MECH-1

PROJECT NAME

CHUCK E. CHEESE #413

DATE

6/16/98

SYSTEM FEATURES

SYSTEM NAME	MECHANICAL SYSTEMS			NOTE TO FIELD
	EXISTING 3 TON UNIT - 1	EXISTING 3 TON UNIT - 2	EXISTING 4 TON UNIT	
TIME CONTROL	Programmable Switch	Programmable Switch	Programmable Switch	
SETBACK CONTROL	Heating Required	Heating Required	Heating Required	
ISOLATION ZONES	n/a	n/a	n/a	
HEAT PUMP THERMOSTAT?	n/a	n/a	n/a	
ELECTRIC HEAT?	n/a	n/a	n/a	
FAN CONTROL	Constant Volume	Constant Volume	Constant Volume	
VAV MINIMUM POSITION CONTROL?	No	No	No	
SIMULTANEOUS HEAT/COOL?	No	No	No	
HEATING SUPPLY RESET?	Constant Temp	Constant Temp	Constant Temp	
COOLING SUPPLY RESET?	Constant Temp	Constant Temp	Constant Temp	
VENTILATION	Air Balance	Air Balance	Air Balance	
OUTDOOR DAMPER CONTROL?	Auto	Auto	Auto	
ECONOMIZER TYPE	No Economizer	No Economizer	No Economizer	
DESIGN AIR CFM (MECH-4, COLUMN I)	1,007	242	323	
HEATING EQUIP. TYPE	Gas Furnace	Gas Furnace	Gas Furnace	
EFFICIENCY	0.80	0.80	0.80	
MAKE AND MODEL NUMBER	EXISTING 3 TON UNIT	EXISTING 3 TON UNIT	EXISTING 4 TON UNIT	
COOLING EQUIP. TYPE	Packaged FAU-A/C	Packaged FAU-A/C	Packaged FAU-A/C	
EFFICIENCY	8.50	8.50	8.50	

CODE TABLES: Enter code from table below into columns above.

HEAT PUMP THERMOSTAT?	Y: Yes N: No	TIME CONTROL	SETBACK CTRL.	ISOLATION ZONES	FAN CONTROL
ELECTRIC HEAT?		S: Prog. Switch O: Occupancy Sensor M: Manual Timer	H: Heating C: Cooling B: Both	Enter Number of Isolation Zones.	I: Inlet Vanes P: Variable Pitch V: VFD O: Other C: Curve
VAV MINIMUM POSITION CONTROL?		VENTILATION	OUTDOOR DAMPER	ECONOMIZER	O.A. CFM
SIMULTANEOUS HEAT / COOL?		B: Air Balance C: Outside Air Cert. M: Out. Air Measure D: Demand Control N: Natural	A: Auto G: Gravity	A: Air W: Water N: Not Required	Enter Outdoor Air CFM. Note: This shall be no less than Col. H on MECH-4.
HEAT AND COOL SUPPLY RESET?					
HIGH EFFICIENCY?					

NOTES TO FIELD - For Building Department Use Only

CERTIFICATE OF COMPLIANCE

Part 2 of 3

MECH-1

PROJECT NAME

CHUCK E. CHEESE #413

DATE

6/16/98

SYSTEM FEATURES

SYSTEM NAME	MECHANICAL SYSTEMS		NOTE TO FIELD
	RTU 1	EXISTING SYSTEM	
TIME CONTROL	Programmable Switch	Programmable Switch	
SETBACK CONTROL	Heating Required	Heating Required	
ISOLATION ZONES	n/a	n/a	
HEAT PUMP THERMOSTAT?	n/a	n/a	
ELECTRIC HEAT?	n/a	n/a	
FAN CONTROL	Constant Volume	Constant Volume	
VAV MINIMUM POSITION CONTROL?	No	No	
SIMULTANEOUS HEAT/COOL?	No	No	
HEATING SUPPLY RESET?	Constant Temp	Constant Temp	
COOLING SUPPLY RESET?	Constant Temp	Constant Temp	
VENTILATION	Air Balance	Air Balance	
OUTDOOR DAMPER CONTROL?	Auto	Auto	
ECONOMIZER TYPE	No Economizer	No Economizer	
DESIGN AIR CFM (MECH-4, COLUMN I)	300	111	
HEATING EQUIP. TYPE	Gas Furnace	Gas Furnace	
EFFICIENCY	0.81	0.80	
MAKE AND MODEL NUMBER	CARRIER 48SS03004052	SERVED BY EXISTING SYSTEM	
COOLING EQUIP. TYPE	Packaged FAU-A/C	Split FAU-A/C	
EFFICIENCY	8.80	8.60	

CODE TABLES: Enter code from table below into columns above.

HEAT PUMP THERMOSTAT?	TIME CONTROL	SETBACK CTRL.	ISOLATION ZONES	FAN CONTROL
ELECTRIC HEAT?	S: Prog. Switch O: Occupancy Sensor M: Manual Timer	H: Heating C: Cooling B: Both	Enter Number of Isolation Zones.	I: Inlet Vanes P: Variable Pitch V: VFD O: Other C: Curve
VAV MINIMUM POSITION CONTROL?	VENTILATION	OUTDOOR DAMPER	ECONOMIZER	O.A. CFM
SIMULTANEOUS HEAT / COOL?	B: Air Balance C: Outside Air Cert. M: Out. Air Measure D: Demand Control N: Natural	A: Auto G: Gravity	A: Air W: Water N: Not Required	Enter Outdoor Air CFM. Note: This shall be no less than Col. H on MECH-4.
HEAT AND COOL SUPPLY RESET?				
HIGH EFFICIENCY?				

NOTES TO FIELD - For Building Department Use Only

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MECH-1

6/16/98

PIPE INSULATION

NOTES TO FIELD - For Building Department Use Only

MECHANICAL SIZING AND FAN POWER

MECH-2

PROJECT NAME CHUCK E. CHEESE #413	DATE 6/16/98
SYSTEM NAME EXISTING 3 TON UNIT - 1	FLOOR AREA 992

NOTE: Provide one copy of this form for each mechanical system when using the Prescriptive Approach.

SIZING AND EQUIPMENT SELECTION

1. DESIGN CONDITIONS:

- OUTDOOR DRY BULB TEMPERATURE (APPENDIX C)
- OUTDOOR WET BULB TEMPERATURE (APPENDIX C)

COOLING	HEATING
97°F	29°F
72°F	

2. SIZING:

- ROOM LOADS
- RETURN VENTED LIGHTING
- RETURN AIR DUCTS
- RETURN FAN
- VENTILATION
- SUPPLY FAN
- SUPPLY DUCTS

1,007 CFM

20,332	14,807
0	
1,017	740
0	0
23,523	42,962
0	0
1,017	740
TOTALS	
45,890	59,249
1.21	1.43
55,527	84,727

SAFETY / WARM-UP FACTOR

MAXIMUM ADJUSTED LOAD (TOTALS FROM ABOVE X SAFETY / WARM-UP FACTOR)

3. SELECTION:

INSTALLED EQUIPMENT CAPACITY (ADJUSTED FOR DESIGN CONDITIONS)

35,479	25,200
Btu / Hr	Btu / Hr

IF INSTALLED CAPACITY EXCEEDS MAXIMUM

ADJUSTED LOAD, EXPLAIN

FAN POWER CONSUMPTION

A	B	C	D	E	F	G
FAN DESCRIPTION	DESIGN BRAKE HP	EFFICIENCY		NUMBER OF FANS	PEAK WATTS B X E 746 / (C X D)	CFM (Supply Fans)
Supply Fan	0.500	MOTOR 72.0%	DRIVE 100.0%	1	518	1,050

TOTALS 518 1,050

NOTE: Include only fan systems exceeding 25 HP (see Section 144). Total Fan System Power Demand may not exceed 0.8 Watts/cfm for constant volume systems or 1.25 Watts/cfm for VAV systems.

TOTAL FAN SYSTEM
POWER DEMAND
WATTS / CFM 0.493
Col. F / Col. G

MECHANICAL SIZING AND FAN POWER

MECH-2

PROJECT NAME CHUCK E. CHEESE #413	DATE 6/16/98
SYSTEM NAME EXISTING 3 TON UNIT - 2	FLOOR AREA 545

NOTE: Provide one copy of this form for each mechanical system when using the Prescriptive Approach.

SIZING AND EQUIPMENT SELECTION

1. DESIGN CONDITIONS:

- OUTDOOR DRY BULB TEMPERATURE (APPENDIX C)
- OUTDOOR WET BULB TEMPERATURE (APPENDIX C)

COOLING	HEATING
97°F	29°F
72°F	

2. SIZING:

- ROOM LOADS
- RETURN VENTED LIGHTING
- RETURN AIR DUCTS
- RETURN FAN
- VENTILATION 242 CFM
- SUPPLY FAN
- SUPPLY DUCTS

16,389	6,783
0	
819	339
0	0
5,688	10,449
0	0
819	339
TOTALS	
23,727	17,910
1.21	1.43
28,709	25,611

SAFETY / WARM-UP FACTOR

MAXIMUM ADJUSTED LOAD (TOTALS FROM ABOVE X SAFETY / WARM-UP FACTOR)

3. SELECTION:

INSTALLED EQUIPMENT CAPACITY (ADJUSTED FOR DESIGN CONDITIONS)

27,607	25,200
Btu / Hr	Btu / Hr

IF INSTALLED CAPACITY EXCEEDS MAXIMUM
ADJUSTED LOAD, EXPLAIN

FAN POWER CONSUMPTION

A	B	C	D	E	F	G
FAN DESCRIPTION	DESIGN BRAKE HP	EFFICIENCY		NUMBER OF FANS	PEAK WATTS B X E 746 / (C X D)	CFM (Supply Fans)
Supply Fan	0.500	MOTOR 72.0%	DRIVE 100.0%	1	518	1,050

TOTALS 518 1,050

TOTAL FAN SYSTEM
POWER DEMAND 0.493
WATTS / CFM Col. F / Col. G

NOTE: Include only fan systems exceeding 25 HP (see Section 144).
Total Fan System Power Demand may not exceed 0.8 Watts/cfm for
constant volume systems or 1.25 Watts/cfm for VAV systems.

MECHANICAL SIZING AND FAN POWER

MECH-2

PROJECT NAME CHUCK E. CHEESE #413	DATE 6/16/98
SYSTEM NAME EXISTING 4 TON UNIT	FLOOR AREA 1,387

NOTE: Provide one copy of this form for each mechanical system when using the Prescriptive Approach.

SIZING AND EQUIPMENT SELECTION

1. DESIGN CONDITIONS:

- OUTDOOR DRY BULB TEMPERATURE (APPENDIX C)
- OUTDOOR WET BULB TEMPERATURE (APPENDIX C)

COOLING	HEATING
97°F	29°F
72°F	

2. SIZING:

- ROOM LOADS
- RETURN VENTED LIGHTING
- RETURN AIR DUCTS
- RETURN FAN
- VENTILATION 323 CFM
- SUPPLY FAN
- SUPPLY DUCTS

30,683	21,198
0	
1,534	1,060
0	0
7,484	13,754
0	0
1,534	1,060
TOTALS	
41,254	37,072
1.21	1.43
49,917	53,013

SAFETY / WARM-UP FACTOR

MAXIMUM ADJUSTED LOAD (TOTALS FROM ABOVE X SAFETY / WARM-UP FACTOR)

3. SELECTION:

INSTALLED EQUIPMENT CAPACITY (ADJUSTED FOR DESIGN CONDITIONS)

36,828	33,600
Btu / Hr	Btu / Hr

IF INSTALLED CAPACITY EXCEEDS MAXIMUM
ADJUSTED LOAD, EXPLAIN

FAN POWER CONSUMPTION

A	B	C	D	E	F	G
FAN DESCRIPTION	DESIGN BRAKE HP	EFFICIENCY		NUMBER OF FANS	PEAK WATTS B X E 746 / (C X D)	CFM (Supply Fans)
Supply Fan	0.750	MOTOR 72.0%	DRIVE 100.0%	1	777	1,405

TOTALS 777 1,405

TOTAL FAN SYSTEM
POWER DEMAND
WATTS / CFM 0.553
Col. F / Col. G

NOTE: Include only fan systems exceeding 25 HP (see Section 144).
Total Fan System Power Demand may not exceed 0.8 Watts/cfm for
constant volume systems or 1.25 Watts/cfm for VAV systems.

MECHANICAL SIZING AND FAN POWER

MECH-2

PROJECT NAME CHUCK E. CHEESE #413	DATE 6/16/98
SYSTEM NAME RTU 1	FLOOR AREA 990

NOTE: Provide one copy of this form for each mechanical system when using the Prescriptive Approach.

SIZING AND EQUIPMENT SELECTION

1. DESIGN CONDITIONS:

- OUTDOOR DRY BULB TEMPERATURE (APPENDIX C)
- OUTDOOR WET BULB TEMPERATURE (APPENDIX C)

COOLING	HEATING
97°F	29°F
72°F	

2. SIZING:

- ROOM LOADS
- RETURN VENTED LIGHTING
- RETURN AIR DUCTS
- RETURN FAN
- VENTILATION 300 CFM
- SUPPLY FAN
- SUPPLY DUCTS

17,251	6,421
0	
863	321
0	0
7,002	12,896
0	0
863	321
TOTALS	
25,978	19,959
1.21	1.43
31,434	28,542

SAFETY / WARM-UP FACTOR

MAXIMUM ADJUSTED LOAD (TOTALS FROM ABOVE X SAFETY / WARM-UP FACTOR)

3. SELECTION:

INSTALLED EQUIPMENT CAPACITY (ADJUSTED FOR DESIGN CONDITIONS)

22,043
Btu / Hr

32,400
Btu / Hr

IF INSTALLED CAPACITY EXCEEDS MAXIMUM
ADJUSTED LOAD, EXPLAIN

FAN POWER CONSUMPTION

A	B	C	D	E	F	G
FAN DESCRIPTION	DESIGN BRAKE HP	EFFICIENCY		NUMBER OF FANS	PEAK WATTS B X E 746 / (C X D)	CFM (Supply Fans)
Supply Fan	1.000	MOTOR	DRIVE			
		79.0%	100.0%	1	944	880

TOTALS 944 880

NOTE: Include only fan systems exceeding 25 HP (see Section 144).
Total Fan System Power Demand may not exceed 0.8 Watts/cfm for
constant volume systems or 1.25 Watts/cfm for VAV systems.

TOTAL FAN SYSTEM
POWER DEMAND 1.073
WATTS / CFM Col. F / Col. G

MECHANICAL SIZING AND FAN POWER

MECH-2

PROJECT NAME CHUCK E. CHEESE #413	DATE 6/16/98
SYSTEM NAME EXISTING SYSTEM	FLOOR AREA 425

NOTE: Provide one copy of this form for each mechanical system when using the Prescriptive Approach.

SIZING AND EQUIPMENT SELECTION

1. DESIGN CONDITIONS:

- OUTDOOR DRY BULB TEMPERATURE (APPENDIX C)
- OUTDOOR WET BULB TEMPERATURE (APPENDIX C)

COOLING	HEATING
97°F	29°F
72°F	

2. SIZING:

- ROOM LOADS
- RETURN VENTED LIGHTING
- RETURN AIR DUCTS
- RETURN FAN
- VENTILATION 111 CFM
- SUPPLY FAN
- SUPPLY DUCTS

18,986	17,388
0	
949	869
0	0
2,572	4,705
0	0
949	869
TOTALS	
23,469	23,831
1.21	1.43
28,397	34,079

SAFETY / WARM-UP FACTOR

MAXIMUM ADJUSTED LOAD (TOTALS FROM ABOVE X SAFETY / WARM-UP FACTOR)

3. SELECTION:

INSTALLED EQUIPMENT CAPACITY (ADJUSTED FOR DESIGN CONDITIONS)

21,004	21,000
Btu / Hr	Btu / Hr

IF INSTALLED CAPACITY EXCEEDS MAXIMUM
ADJUSTED LOAD, EXPLAIN

FAN POWER CONSUMPTION

A	B	C	D	E	F	G
FAN DESCRIPTION	DESIGN BRAKE HP	EFFICIENCY		NUMBER OF FANS	PEAK WATTS B X E 746 / (C X D)	CFM (Supply Fans)
Supply Fan	0.500	MOTOR 72.0%	DRIVE 97.0%	1	534	1,000

TOTALS 534 1,000

TOTAL FAN SYSTEM
POWER DEMAND 0.534
WATTS / CFM Col. F / Col. G

NOTE: Include only fan systems exceeding 25 HP (see Section 144).
Total Fan System Power Demand may not exceed 0.8 Watts/cfm for
constant volume systems or 1.25 Watts/cfm for VAV systems.

MECHANICAL EQUIPMENT SUMMARY

Part 1 of 2

MECH-3

PROJECT NAME

CHUCK E. CHEESE #413

DATE

6/16/98

CHILLER AND TOWER SUMMARY

Equipment Name	Equipment Type	Qty.	Eff.	Tons	PUMPS					
					Tot. Qty	GPM	BHP	Motor Eff.	Drive Eff.	Pump Control

DHW / BOILER SUMMARY

System Name	System Type	Distribution Type	Qty	Rated Input	Vol. (Gals.)	Energy Factor or Recovery Efficiency	Standby Loss or Pilot	TANK INSUL.	
								Int. R-Val.	Ext. R-Val.
Standard Gas 50 gal or Less	Small Gas	Standard	1	40,000	50	0.53	n/a	n/a	12.0

CENTRAL SYSTEM RATINGS

System Name	System Type	Qty.	HEATING			COOLING				
			Output	Aux. kW	Eff.	Output	Sens.	EER	SEER	Economizer Type
EXISTING 3 TON UNIT	Packaged FAU-A/C	2	25,200	0.0	0.80	36,000	25,200	8.50	10.00	No Economizer
EXISTING 4 TON UNIT	Packaged FAU-A/C	1	33,600	0.0	0.80	48,000	33,600	8.50	10.00	No Economizer
CARRIER 48SS03004052	Packaged FAU-A/C	1	32,400	0.0	0.81	29,200	20,440	8.80	10.00	No Economizer
SERVED BY EXISTING SYSTEM	Split FAU-A/C	1	21,000	0.0	0.80	30,000	21,000	8.60	10.00	No Economizer

CENTRAL FAN SUMMARY

System Name	Fan Type	SUPPLY FAN					RETURN FAN			
		Motor Location	CFM	BHP	Motor Eff.	Drive Eff.	CFM	BHP	Motor Eff.	Drive Eff.
EXISTING 3 TON UNIT	Constant Volume	Blow-Through	1,050	0.500	72.0%	100.0%	none			
EXISTING 4 TON UNIT	Constant Volume	Blow-Through	1,405	0.750	72.0%	100.0%	none			
CARRIER 48SS03004052	Constant Volume	Blow-Through	880	1.000	79.0%	100.0%	none			
SERVED BY EXISTING SYSTEM	Constant Volume	Blow-Through	1,000	0.500	72.0%	97.0%	none			

MECH-3

6/16/98

MECH-4

CHUCK E. CHEESE #413

6/16/98

A B C D E F G H I J K

C	Minimum Ventilation Rate per Section 121, Table 1-F.
E	Based on Expected Number of Occupants or at least 50% of Chapter 10 1994 UBC Occupant Density.
I	Must be greater than or equal to H, or use Transfer Air. Design Outdoor Air CFM includes ventilation from Supply Air System & Room Exhaust Fans.
K	Must be greater than or equal to (H-I).

PROJECT NAME

CHUCK E. CHEESE #413

DATE

6/16/98

DESCRIPTION	Designer	Enforcement
Equipment and Systems Efficiencies		
☒ § 111 Any appliance for which there is a California standard established in the Appliance Efficiency Regulations will comply with the applicable standard.		
☒ § 115(a) Fan type central furnaces shall not have a pilot light.		
☒ § 123 Piping, except that conveying fluids at temperatures between 60 and 105 degrees Fahrenheit, or within HVAC equipment, shall be insulated in accordance with Standards Section 123.		
☒ § 124 Air handling duct systems shall be installed and insulated in compliance with Sections 601, 603 and 604 of the Uniform Mechanical Code.		
Controls		
§ 122(e) Each space conditioning system shall be installed with one of the following:		
☒ § 122(e)1A Each space conditioning system serving building types such as offices and manufacturing facilities (and all others not explicitly exempt from the requirements of Section 112 (d)) shall be installed with an automatic time switch with an accessible manual override that allows operation of the system during off-hours for up to 4 hours. The time switch shall be capable of programming different schedules for weekdays and weekends; incorporate an automatic holiday "shut-off" feature that turns off all loads for at least 24 hours, then resumes the normally scheduled operation; and has program backup capabilities that prevent the loss of the device's program and time setting for at least 10 hours if power is interrupted; or		
☒ § 122(e)1B An occupancy sensor to control the operating period of the system; or		
☒ § 122(e)1C A 4-hour timer that can be manually operated to control the operating period of the system.		
☒ § 122(e)2 Each space conditioning system shall be installed with controls that temporarily restart and temporarily operate the system as required to maintain a setback cooling thermostat setpoint.		
☐ § 122(g) Each space conditioning system serving multiple zones with a combined conditioned floor area more than 25,000 square feet shall be provided with isolation zones. Each zone: shall not exceed 25,000 square feet; shall be provided with isolation devices, such as valves or dampers, that allow the supply of heating or cooling to be setback or shut off independently of other isolation areas; and shall be controlled by a time control device as described above.		
☐ § 122(a&b) Each space conditioning system shall be controlled by an individual thermostat that responds to temperature within the zone. Where used to control heating, the control shall be adjustable down to 55 degrees F or lower. For cooling, the control shall be adjustable up to 85 degrees F or higher. Where used for both heating and cooling, the control shall have a dead band of at least 5 degrees F.		
☒ § 122(c) Thermostats shall have numeric setpoints in degrees Fahrenheit (F) and adjustable setpoint stops accessible only to authorized personnel.		
☐ § 112(b) Heat pumps shall be installed with controls to prevent electric resistance supplementary heater operation when the heating load can be met by the heat pump alone.		

PROJECT NAME	CHUCK E. CHEESE #413	DATE	6/16/98
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Description	Designer	Enforcement
Ventilation		
☒ § 121(e) Controls shall be provided to allow outside air dampers or devices to be operated at the ventilation rates as specified on these plans.		
☒ Gravity or automatic dampers interlocked and closed on fan shutdown shall be provided on the outside air intakes and discharges of all space conditioning and exhaust systems.		
☒ § 122(f) All gravity ventilating systems shall be provided with automatic or readily accessible manually operated dampers in all openings to the outside, except for combustion air openings.		
☒ § 122(f)1 Air Balancing: All space conditioning and ventilation systems shall be balanced to the quantities specified in these plans, in accordance with the National Environmental Balancing Bureau (NEBB) Procedural Standards (1983), or Associated Air Balance Council (AABC) National Standards (1986).		
☒ § 122(f)2 Outside Air Certification: The system shall provide the minimum outside air as shown on the mechanical drawings, and shall be measured and certified by the installing licensed C-20 mechanical contractor.		
Service Water Heating Systems		
☒ § 113(b)2 If a circulating hot water system is installed, it shall have a control capable of automatically turning off the circulating pump(s) when hot water is not required.		
☒ § 113(b)3B Lavatories in restrooms of public facilities shall be equipped with controls to limit the outlet temperature to 110 degrees F.		
☒ § 113(b)3C Lavatories in restrooms of public facilities shall be equipped with one of the following: Outlet devices that limit the flow of hot water to a maximum of 0.5 gallons per minute. Foot actuated control valves, and outlet devices that limit the flow of hot water to a maximum of 0.75 gallons per minute. Proximity sensor actuated control valves, and outlet devices that limit the flow of hot water to a maximum of 0.75 gallons per minute. Self-closing valves, and outlet devices that limit the flow of hot water to a maximum of 2.5 gallons per minute, and 0.25 gallons/cycle (circulating system). Self-closing valves, and outlet devices that limit the flow of hot water to a maximum of 2.5 gallons per minute, and 0.50 gallons/cycle (non-circulating system). Self-closing valves, and outlet devices that limit the flow of hot water to a maximum of 2.5 gallons per minute, and 0.75 gallons/cycle (foot switches and proximity sensor controls).		

HVAC SYSTEM HEATING AND COOLING LOAD SUMMARY

PROJECT NAME	CHUCK E. CHEESE #413	DATE	6/16/98
SYSTEM NAME	EXISTING 3 TON UNIT - 1	FLOOR AREA	992

ENGINEERING CHECKS

Number of Systems	1
Heating System	
Output per System	25,200
Total Output (Btuh)	25,200
Output (Btuh/sqft)	25.4
Cooling System	
Output per System	36,000
Total Output (Btuh)	36,000
Total Output (Tons)	3.0
Total Output (Btuh/sqft)	36.3
Total Output (sqft/Ton)	330.7
Air System	
CFM per System	1,050
Airflow (cfm)	1,050
Airflow (cfm/sqft)	1.06
Airflow (cfm/Ton)	350.0
Outside Air (%)	95.9
Outside Air (cfm/sqft)	1.02

Note: values above given at ARI conditions

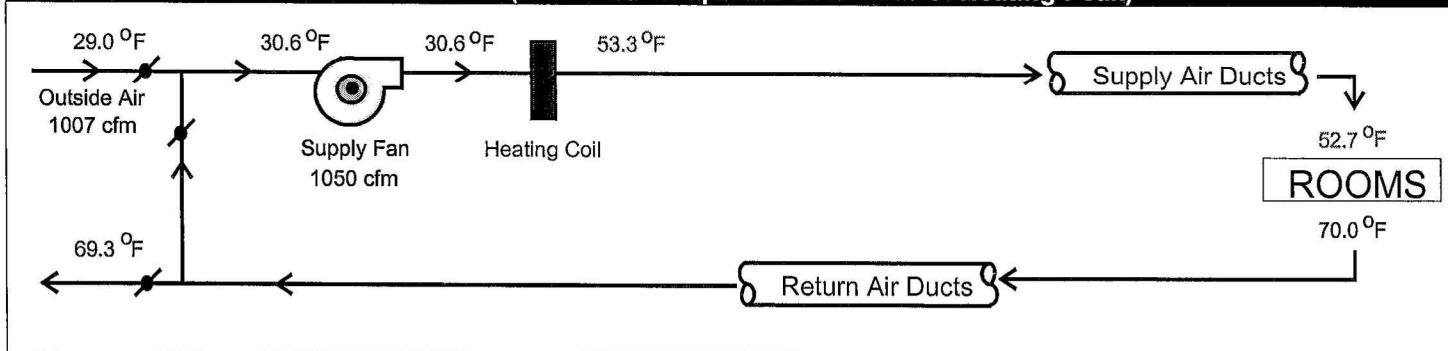
SYSTEM LOAD

	COIL COOLING PEAK			COIL HTG. PEAK	
	CFM	Sensible	Latent	CFM	Sensible
Total Room Loads	2,152	20,332	4,438	-808	14,807
Return Vented Lighting		0			
Return Air Ducts		1,017			740
Return Fan		0			0
Ventilation	1,007	23,523	-5,186	1,007	42,962
Supply Fan		0			0
Supply Air Ducts		1,017			740
TOTAL SYSTEM LOAD		45,890	-748		59,249

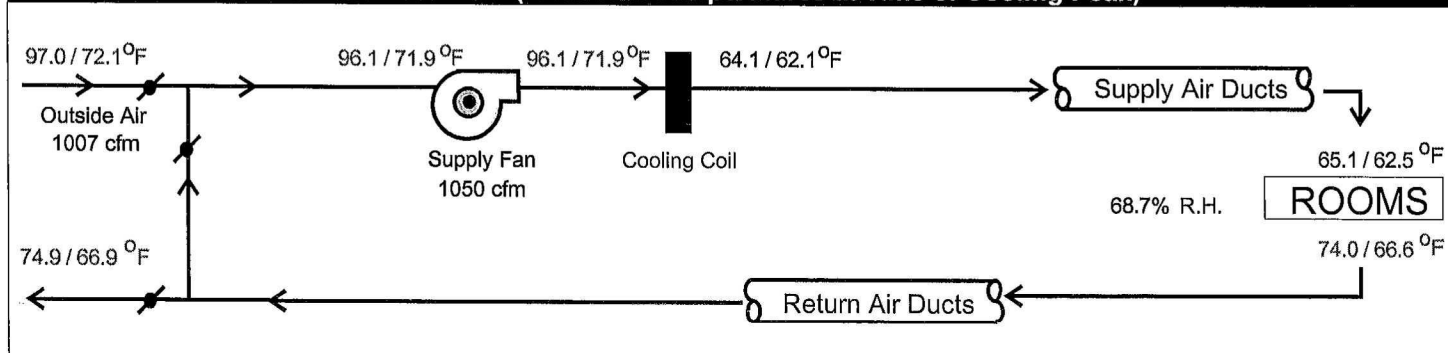
HVAC EQUIPMENT SELECTION

EXISTING 3 TON UNIT	35,479	3,166	25,200
Total Adjusted System Output (Adjusted for Peak Design Conditions)	35,479	3,166	25,200
TIME OF SYSTEM PEAK	Jul 3 pm	Jan 12 am	

HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)



COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)



HVAC SYSTEM HEATING AND COOLING LOAD SUMMARY

PROJECT NAME	CHUCK E. CHEESE #413	DATE	6/16/98
SYSTEM NAME	EXISTING 3 TON UNIT - 2	FLOOR AREA	545

ENGINEERING CHECKS

Number of Systems	1
Heating System	
Output per System	25,200
Total Output (Btuh)	25,200
Output (Btuh/sqft)	46.2
Cooling System	
Output per System	36,000
Total Output (Btuh)	36,000
Total Output (Tons)	3.0
Total Output (Btuh/sqft)	66.1
Total Output (sqft/Ton)	181.7
Air System	
CFM per System	1,050
Airflow (cfm)	1,050
Airflow (cfm/sqft)	1.93
Airflow (cfm/Ton)	350.0
Outside Air (%)	23.1
Outside Air (cfm/sqft)	0.44

Note: values above given at ARI conditions

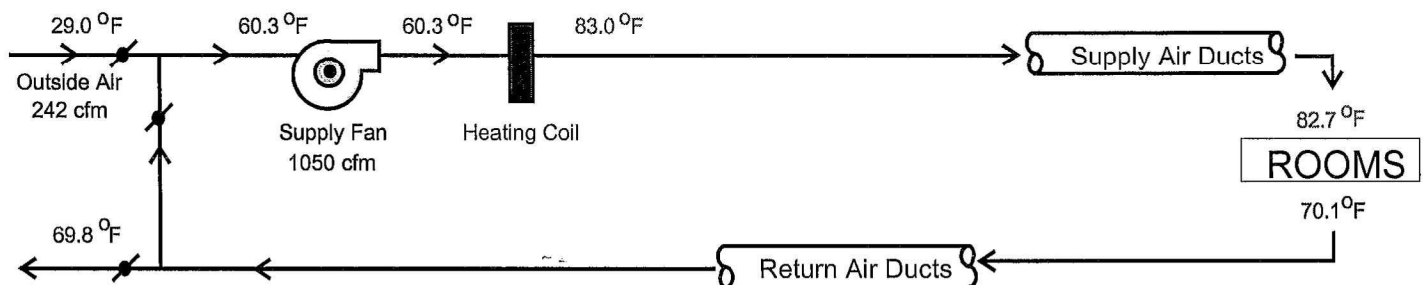
SYSTEM LOAD

	COIL COOLING PEAK			COIL HTG. PEAK	
	CFM	Sensible	Latent	CFM	Sensible
Total Room Loads	852	16,389	3,091	504	6,783
Return Vented Lighting		0			
Return Air Ducts		819			339
Return Fan		0			0
Ventilation	242	5,688	2,452	242	10,449
Supply Fan		0			0
Supply Air Ducts		819			339
TOTAL SYSTEM LOAD		23,727	5,544		17,910

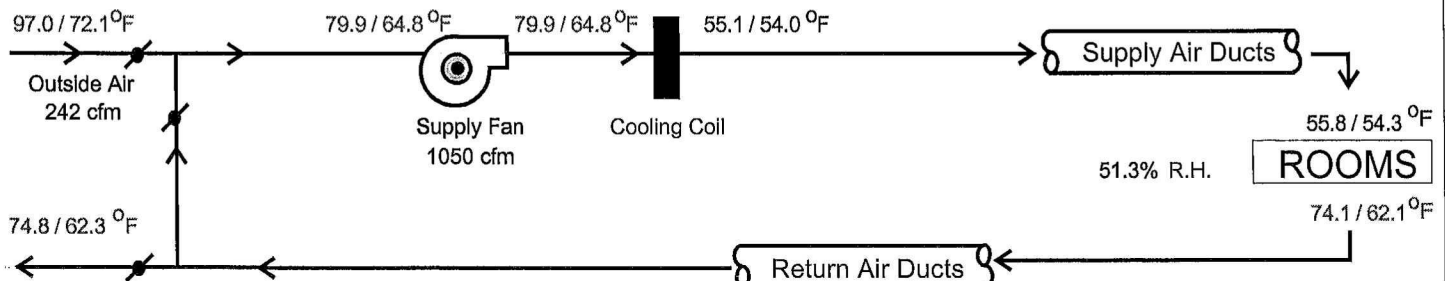
HVAC EQUIPMENT SELECTION

EXISTING 3 TON UNIT	27,607	6,775	25,200
Total Adjusted System Output (Adjusted for Peak Design Conditions)	27,607	6,775	25,200
TIME OF SYSTEM PEAK	Jul 3 pm	Jan 12 am	

HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)



COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)



HVAC SYSTEM HEATING AND COOLING LOAD SUMMARY

PROJECT NAME	CHUCK E. CHEESE #413	DATE	6/16/98
SYSTEM NAME	EXISTING 4 TON UNIT	FLOOR AREA	1,387

ENGINEERING CHECKS

Number of Systems	1
Heating System	
Output per System	33,600
Total Output (Btuh)	33,600
Output (Btuh/sqft)	24.2
Cooling System	
Output per System	48,000
Total Output (Btuh)	48,000
Total Output (Tons)	4.0
Total Output (Btuh/sqft)	34.6
Total Output (sqft/Ton)	346.8
Air System	
CFM per System	1,405
Airflow (cfm)	1,405
Airflow (cfm/sqft)	1.01
Airflow (cfm/Ton)	351.2
Outside Air (%)	23.0
Outside Air (cfm/sqft)	0.23

Note: values above given at ARI conditions

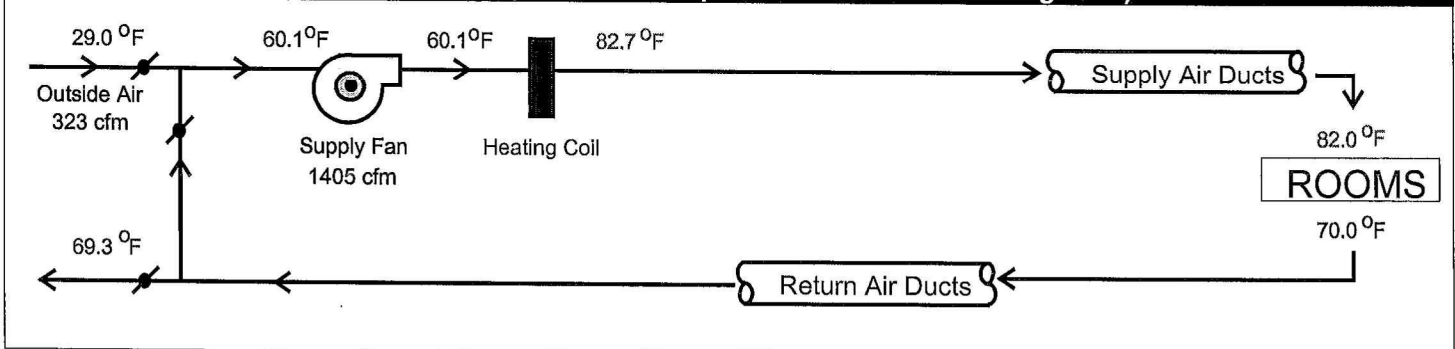
SYSTEM LOAD

	COIL COOLING PEAK			COIL HTG. PEAK	
	CFM	Sensible	Latent	CFM	Sensible
Total Room Loads	1,644	30,683	4,114	1,677	21,198
Return Vented Lighting		0			
Return Air Ducts		1,534			1,060
Return Fan		0			0
Ventilation	323	7,484	3,148	323	13,754
Supply Fan		0			0
Supply Air Ducts		1,534			1,060
TOTAL SYSTEM LOAD		41,254	7,262		37,072

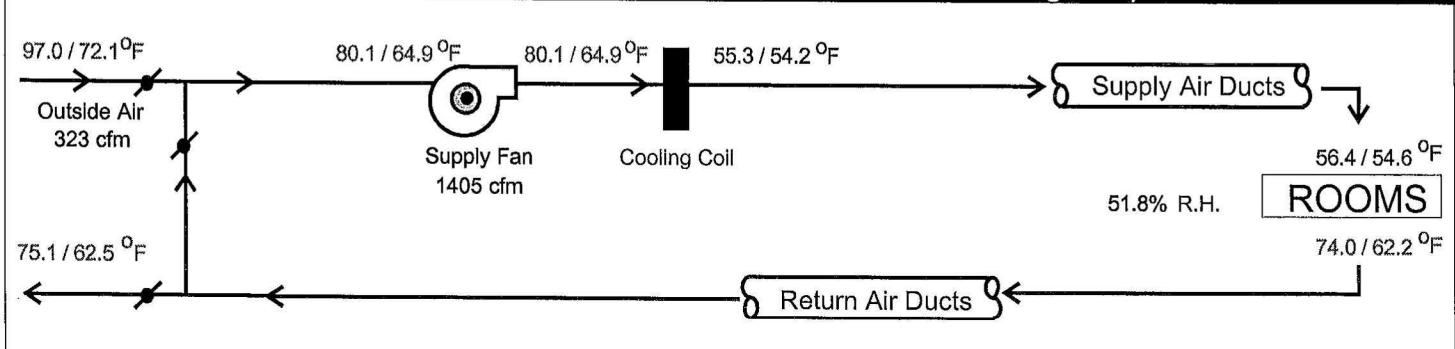
HVAC EQUIPMENT SELECTION

EXISTING 4 TON UNIT	36,828	9,113	33,600
Total Adjusted System Output (Adjusted for Peak Design Conditions)	36,828	9,113	33,600
TIME OF SYSTEM PEAK	Jul 3 pm	Jan 12 am	

HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)



COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)



HVAC SYSTEM HEATING AND COOLING LOAD SUMMARY

PROJECT NAME CHUCK E. CHEESE #413	DATE 6/16/98
SYSTEM NAME RTU 1	FLOOR AREA 990

ENGINEERING CHECKS

Number of Systems	1
Heating System	
Output per System	32,400
Total Output (Btuh)	32,400
Output (Btuh/sqft)	32.7
Cooling System	
Output per System	29,200
Total Output (Btuh)	29,200
Total Output (Tons)	2.4
Total Output (Btuh/sqft)	29.5
Total Output (sqft/Ton)	406.8

Air System

CFM per System	880
Airflow (cfm)	880
Airflow (cfm/sqft)	0.89
Airflow (cfm/Ton)	361.6
Outside Air (%)	34.1
Outside Air (cfm/sqft)	0.30

Note: values above given at ARI conditions

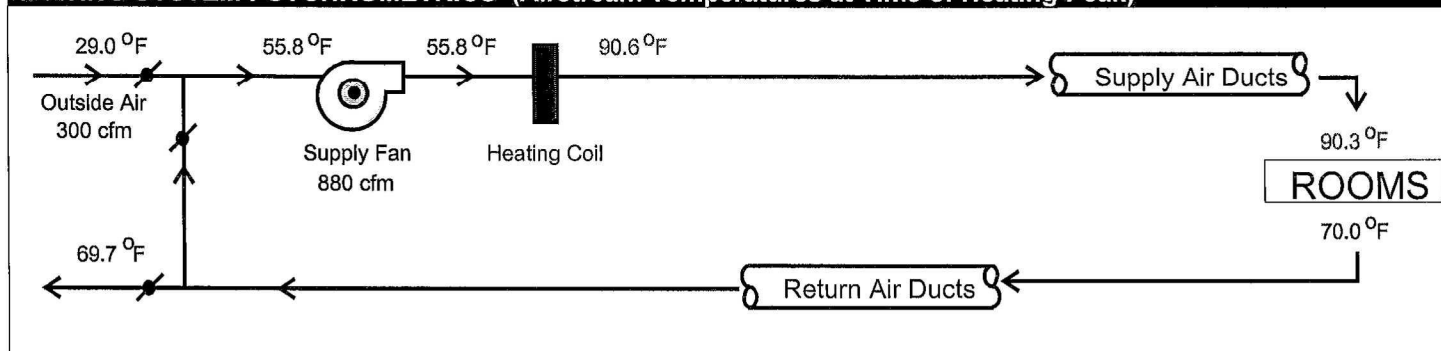
SYSTEM LOAD

	COIL COOLING PEAK			COIL HTG. PEAK	
	CFM	Sensible	Latent	CFM	Sensible
Total Room Loads	1,140	17,251	3,825	300	6,421
Return Vented Lighting		0			
Return Air Ducts		863			321
Return Fan		0			0
Ventilation	300	7,002	742	300	12,896
Supply Fan		0			0
Supply Air Ducts		863			321
TOTAL SYSTEM LOAD		25,978	4,567		19,959

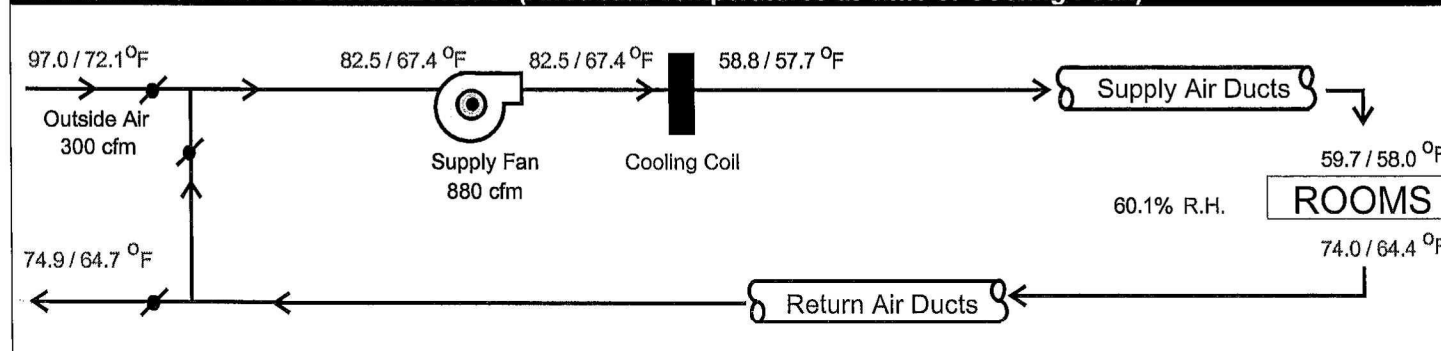
HVAC EQUIPMENT SELECTION

CARRIER 48SS03004052	22,043	7,042	32,400
Total Adjusted System Output (Adjusted for Peak Design Conditions)	22,043	7,042	32,400
TIME OF SYSTEM PEAK	Jul 3 pm	Jan 12 am	

HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)



COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)



HVAC SYSTEM HEATING AND COOLING LOAD SUMMARY

PROJECT NAME	CHUCK E. CHEESE #413	DATE	6/16/98
SYSTEM NAME	EXISTING SYSTEM	FLOOR AREA	425

ENGINEERING CHECKS

Number of Systems	1
Heating System	
Output per System	21,000
Total Output (Btuh)	21,000
Output (Btuh/sqft)	49.4
Cooling System	
Output per System	30,000
Total Output (Btuh)	30,000
Total Output (Tons)	2.5
Total Output (Btuh/sqft)	70.6
Total Output (sqft/Ton)	170.0

Air System

CFM per System	1,000
Airflow (cfm)	1,000
Airflow (cfm/sqft)	2.35
Airflow (cfm/Ton)	400.0
Outside Air (%)	11.1
Outside Air (cfm/sqft)	0.26

Note: values above given at ARI conditions

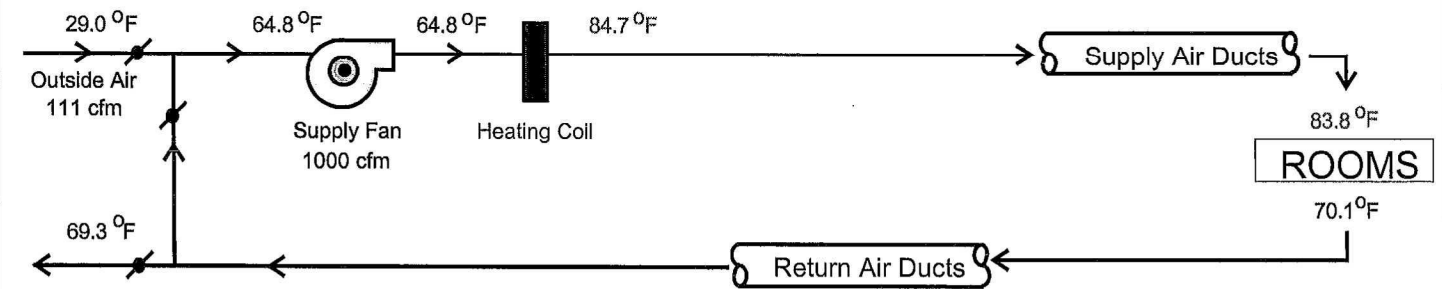
SYSTEM LOAD

	COIL COOLING PEAK			COIL HTG. PEAK	
	CFM	Sensible	Latent	CFM	Sensible
Total Room Loads	1,156	18,986	1,409	1,187	17,388
Return Vented Lighting		0			
Return Air Ducts		949			869
Return Fan		0			0
Ventilation	111	2,572	789	111	4,705
Supply Fan		0			0
Supply Air Ducts		949			869
TOTAL SYSTEM LOAD		23,469	2,198		23,831

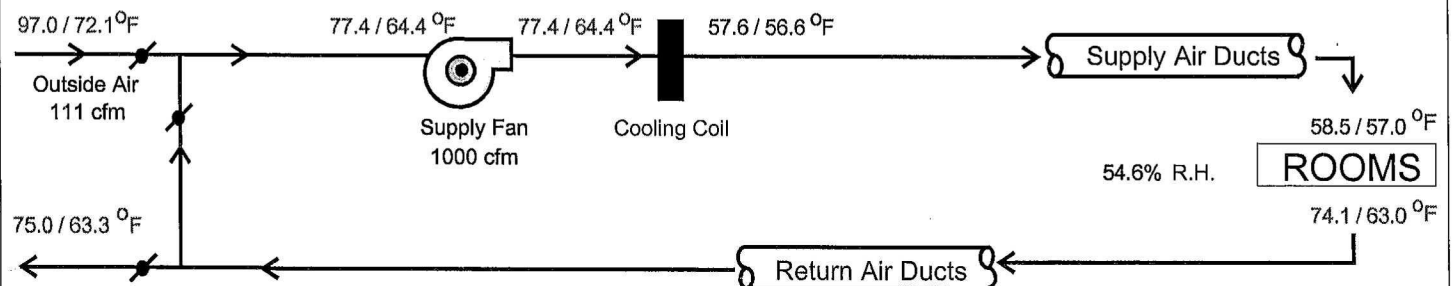
HVAC EQUIPMENT SELECTION

SERVED BY EXISTING SYSTEM	21,004	7,462	21,000
Total Adjusted System Output (Adjusted for Peak Design Conditions)	21,004	7,462	21,000
TIME OF SYSTEM PEAK	Jul 3 pm	Jan 12 am	

HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)



COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)



ROOM LOAD SUMMARY

PROJECT NAME	CHUCK E. CHEESE #413	DATE	6/16/98
SYSTEM NAME	EXISTING 3 TON UNIT - 1	FLOOR AREA	992

ROOM LOAD SUMMARY

[illegible]

2,152	20,332	4,438	-808	14,807
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2,152	20,332	4,438	-808	14,807
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ROOM LOAD SUMMARY

PROJECT NAME	CHUCK E. CHEESE #413	DATE	6/16/98
SYSTEM NAME	EXISTING 3 TON UNIT - 2	FLOOR AREA	545

ROOM LOAD SUMMARY

[illegible]

852	16,389	3,091	504	6,783
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852	16,389	3,091	504	6,783
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ROOM LOAD SUMMARY

PROJECT NAME	CHUCK E. CHEESE #413	DATE	6/16/98
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6/16/98

SYSTEM NAME	FLOOR AREA
EXISTING 4 TON UNIT	1,387

FLOOR AREA
1,387

ROOM LOAD SUMMARY

[illegible]

ROOM LOAD SUMMARY

PROJECT NAME	CHUCK E. CHEESE #413	DATE	6/16/98
SYSTEM NAME	RTU 1	FLOOR AREA	990

ROOM LOAD SUMMARY

[illegible]

ROOM LOAD SUMMARY

PROJECT NAME	CHUCK E. CHEESE #413
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FLOOR AREA
425

SYSTEM NAME	EXISTING SYSTEM
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ROOM LOAD SUMMARY

[illegible]

1,156	18,986	1,409	1,187	17,388
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